

1833

1933

CENTENNIAL NUMBER
ONE HUNDRED YEARS OF SCIENTIFIC PROMOTION
IN DELAWARE COUNTY, PENNSYLVANIA

PROCEEDINGS
OF THE
DELAWARE COUNTY INSTITUTE OF SCIENCE
MEDIA
DELAWARE COUNTY, PENNSYLVANIA



PUBLICATION COMMITTEE
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WALTER PALMER

Published by Authority of the
DELAWARE COUNTY INSTITUTE OF SCIENCE

1933

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"ARCHIVES OF DELAWARE COUNTY"

HISTORY

of the

DELAWARE COUNTY

INSTITUTE OF SCIENCE

Media, Delaware County, Penna.

COMPILED

FROM THE ORIGINAL RECORDS, MINUTE BOOKS, ETC.

by

EDWARD VINCENT STREEPER

Secretary of the Institute.

Media, Pa.

1933

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MEDIA HOSPITAL

01-10-100

As it appeared in 1913

Here the Delaware County Institute of Science first met in what is now Media Borough--In 1833 this building, before being remodeled as we now know it, was the public house of Isaac Hall, and was situated in the then Nether Providence Township

Also Known as "The Anvil Tavern" closed by the Prohibition Clause in Media Borough Charter

INDEX - Continued.

THIS VOLUME
IS RESPECTFULLY DEDICATED TO THE
PIONEER SCIENTISTS OF DELAWARE COUNTY
WHO SO NOBLY GAVE OF THEIR SUBSTANCE, TIME AND ABILITY THAT THE INHABITANTS
OF DELAWARE COUNTY MIGHT ENHANCE THEIR SCIENTIFIC KNOWLEDGE

OFFICERS
of the
DELAWARE COUNTY INSTITUTE OF SCIENCE

1833

GEORGE SMITH, M.D.
First Vice-President

MINSHALL PAINTER
Recording Secretary

JOHN MILLER
Treasurer

JOHN CASSIN
GEORGE MILLER, Jr.
Managers

1834

GEORGE SMITH, M.D.
President

Rev. A. H. PARKER
REESE W. FLOWER
Vice-Presidents

MINSHALL PAINTER
Recording Secretary

MINSHALL PAINTER
Corresponding Secretary

JOHN MILLER
Treasurer

JOHN CASSIN JOHN MILLER
ROBERT DUTTON
WM. B. HILDITCH
GEORGE MILLER, Jr.
Managers

1933

T. CHALKLEY PALMER
President

C. EDGAR OGDEN
GEORGE L. PENNOCK
Vice-Presidents

EDWARD VINCENT STREEPER
Secretary

CAROLUS M. BROOMALL
Treasurer

HENRIETTA K. BROOMALL
Librarian

SANFORD OMENSETTER
Dr. RALPH CURTIS LOWE
and the other
Elected Officers.

Board of Curators

T. Chalkley Palmer

C. Edgar Ogden

Delegates to the
Delaware Valley Naturalists'
Union

FOREWORD.

In the compilation of this history the compilers' aim has been to give to the members and public at large a concise resumé of the activities of the Delaware County Institute of Science during its one hundred years of scientific promotion in Delaware County, Pa., appearing in the original records, minutes, etc., as has been handed down from the year 1833, when the Institute of Science became an established factor in the history of Delaware County.

Much could be written in connection with the good and the sacrifices made by its officers and members during the period between 1833 and 1933, but the bare facts only are given in this volume, that it may be a true picture of the important proceedings of this honorable body, without any embellishments to mar its true worth.

Where the matter is enclosed in "quotation marks" it is in verbatim as written in the records, spelling and otherwise; other parts have been re-written more **concisely**, so that the bare facts are preserved for future generations.

INTRODUCTION.

BY

T. CHALKLEY PALMER
President of the Delaware County Institute
of Science.

CHAPTER I.

The Early Organization.^a 1833-1835

The thirst for scientific knowledge struck little Delaware County about the same time as it became the theme in other parts of our Colonies, but it was not until the year 1833 that the first concrete action was taken looking towards the organization of a society having for its object to "promote scientific endeavour among the inhabitants of the County."

The Delaware County Institute of Science was the outcome of several meetings held in the then Borough of Chester, during the early part of that year, by members of the old Union Library, of Upper Providence Township, and citizens from other parts of the County. Among the enthusiastic embryo scientists were Edward Darlington, Esq., John K. Zeilin, Esq., Minshall Painter and Dr. Samuel Anderson. These gentlemen, after numerous meetings, decided to organize themselves into a society along scientific lines and establish a 'Cabinet of Natural Sciences,' similar to other societies being organized at that period.

The first meeting, of which there is record, was held at Chester, on the 9th day of May, 1833, at which meeting it was decided to take under "consideration the propriety of forming a society to establish a 'Cabinet of Natural Sciences of Delaware County'.^a

Another meeting was held on the 26th day of August, of the same year, pursuant to the following call:

"CABINET OF NATURAL SCIENCES.

"An adjourned meeting of the 'Cabinet of Natural Sciences of Delaware County' will be held on Monday, the 26th day of August, 1833, at 2 o'clock, P.M., at Evan Way's Hotel,^b in the Borough of Chester, at which meeting the Constitution will be submitted and prepared for the signatures of members--and an election for officers to serve until the 1st Saturday of May next, will likewise be held."

^a A notice refering^R to this meeting is found pasted in the first minute book and is apparently in the handwriting of Minshall Painter.

^b Located on the East Side of Market street, Chester, between 4th and 5th streets. It was erected in 1747.

This call was in the shape of a "flier" and is signed by Messrs. Anderson, Painter and Zeilin, bearing date of "August 6, 1833."

The next record of the new organization is found in the issue of August 30th, 1833, of the Delaware County Republican (Vol 1, No. 1), a weekly publication issued every Friday morning, by Y. S. Walter, "in the Village of Darby, Delaware County, Pa., at Two Dollars per annum, of which One Dollar must invariably be paid in advance." The advertisement reads as follows:

"CABINET OF NATURAL SCIENCES.

"An adjourned meeting of the 'Cabinet of Natural Sciences of Delaware County' will be held Saturday, the 21st day of September, at two o'clock, P.M., at the house of Isaac Hall,^c in the township of Nether Providence, at which meeting the Constitution will be submitted and prepared for the signatures of members; an election for officers to serve until the first Saturday in May next, will likewise be held.

SAMUEL ANDERSON, Chairman.

MINSHALL PAINTER) Secretaries."
JOHN K. ZEILIN)

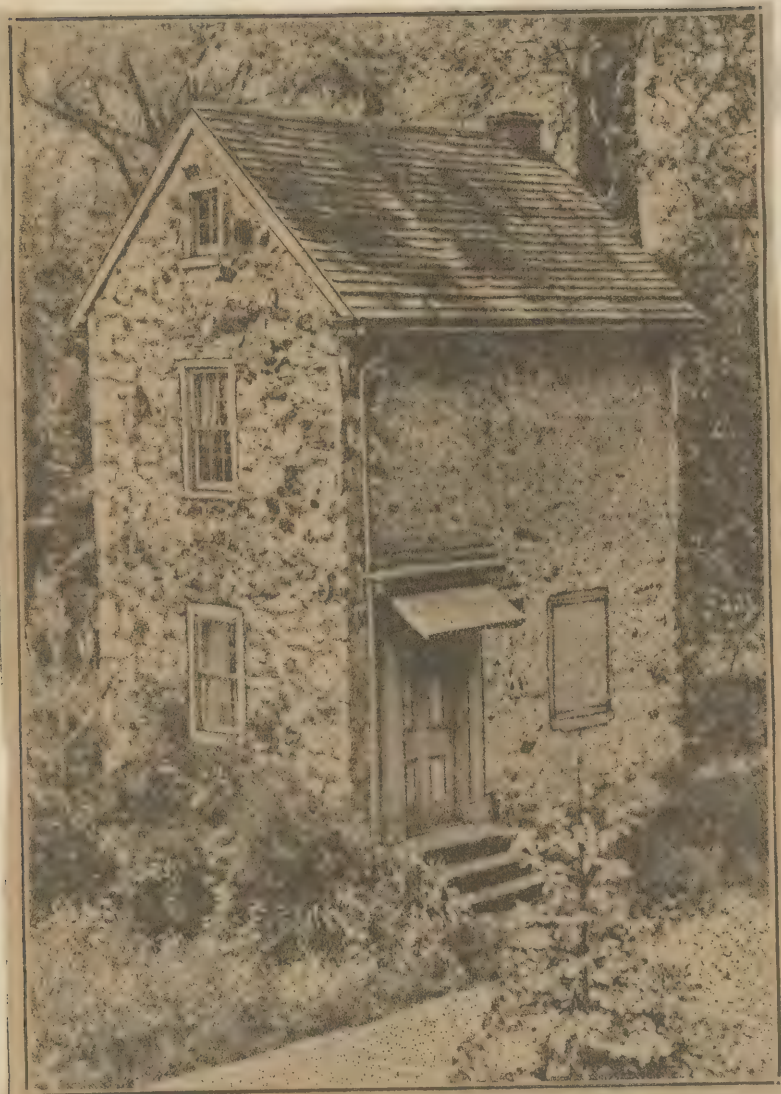
^c The house of Isaac Hall, was located at the present location of Dr. Charles H. Schoff's Media Hospital, at the Northwest Corner of Providence road and Baltimore avenue.



EVAN WAY'S HOTEL
(Washington Hotel)

**Where Washington Wrote
of Battle**

Located on east side of Market street between 4th and 5th streets, Chester. Built in 1747 and was noted resort on Post Road. General Washington wrote only report of Battle of Brandywine here.



OLD UNION LIBRARY AT SYCAMORE MILLS

Organized 1800.

Following this meeting at Evan Way's an adjourned meeting was called for September 21st, 1833, at the house of Isaac Hall, in Nether Providence township.

The minutes of the Institute begin with this meeting and a complete set of the proceedings of the organization are on file in the Institute, and it is the purpose of this volume to give a concise record of the proceedings as contained therein, that they may be available for our membership.

At this meeting the Constitution reported to the meeting held at Evan Way's "was reconsidered and received additional and sundry amendments, but as the meeting was small, it was

"Resolved, that those present sign the Constitution and
"proceed to elect part of the officers, deferring the
"election of the remaining officers until the stated meet-
"ing in November."

"Whereupon the following were elected: 1st Vice-President, Dr. George Smith; Treasurer, John Miller; Recording Secretary, Minshall Painter; Managers, John Cassin and George Miller, Jr.

Mrs. Clara Booth Miller, the wife of Isaac Miller, in a minute on the death of one of our members, Edgar T. Miller, gives an insight into this early meeting and information regarding the adoption of the name "Delaware County Institute of Science". The extract follows:

"George Miller, of Upper Providence, was one of the founders of the Union Library, from which evolved the 'Delaware County Institute of Science', and that organization was first called 'Cabinet of Natural Sciences of Delaware County'. The change was made on the 21st of September, 1833, by George Miller, his son, John Miller, George Smith, Minshall Painter and John Cassin, who voted to change to the 'Delaware County Institute of Science.'"

The Union Library, above referred to, was organized by a group of the Society of Friends, headed by Thomas Bishop, about the year 1800, and is reputed to have been the first in Pennsylvania. The building in which the original library was located was situated along Ridley Creek, at Sycamore Mills, and is still standing there to-day, and is used as a studio. The books of this library, after the formation of the Institute, became the property of that society and those volumes are still among its prized possessions.

The original Constitution, above referred to, consisted of a Preamble, setting forth its motive and hopes, together with five chapters of rules, for the government of the body. This was signed by all members joining the society, and begins on the 21st of September, 1833. Among those who signed at the first meeting were George Miller, Jr., Minshall Painter, John Miller, Geo. Smith, and John Cassin.

In the issue of September 27th, 1833, of the Delaware County Republican, of Darby, appears the following advertisement, which for the first time is captioned with the title of "Delaware County Institute of Science" and reads as follows:

See "ConstitutionAof September 21st, 1833," Appendix A,
page

"DELAWARE COUNTY INSTITUTE OF SCIENCE

"A stated meeting of the "Institute" will be held at
"the house of Isaac Hall, in the township of Nether Prov-
"idence on seventh day (Saturday) the second day of
"Nov. next, at 2 o'clock P.M. Persons wishing to become
"members are invited to attend.

"Sept. 26th, 1833.

MINSHALL PAINTER, Rec. Sec."

In another column in the same issue of the Republican
(September 27th, 1833) we find a reading notice, viz:

"It will be observed that the members of the 'Cabinet of
"Natural Sciences', have changed the name of that institut
"tion to that of the "Institute of Science," thus embrac-
"ing a wider range for the diffusion of information on
"the various subjects which come under their observation."

This meeting of the Institute was held on November 2d, 1833, at the house of Isaac Hall, with the First Vice-President, George Smith, presiding, and was the first stated or general meeting of the Delaware County Institute of Science.

(quote) At this meeting William B. Hilditch was admitted a member and being present complied with the Constitution." William Amies was also elected a member.

The following committee was appointed
 "to report to next meeting on the State of the circulating
 "Libraries in Delaware County, viz: Minshall Painter
 "John Miller and Wm. B. Hilditch

"On Motion Dr George Smith and Dr Samuel

Anderson were appointed to invite some suitable person

"to deliver a lecture on Geology before the Institute

"and give public notice of the time and place.

It was also "Resolved that we defer the election of the remaining

"officers that was referred to this meeting unto a sub-

"sequent meeting.

It was decided that when the meeting adjourned it would meet on December 28th, 1833, at the house of Samuel R. Lamplugh, in the "village of Darby," at 2 o'clock, P.M., and on that day

"Pursuant to adjournment

"the Institute convened--the members generally in attendance

"--the 1st Vice President in the chair.

"The committee on Circulating Libraries reported that

"they are not prepared to make a full report at this time--

"On Motion that committee is continued.

"The committee appointed to invite a suitable

"person to deliver a lecture on geology before the In-

"stitutereportedthat John P. Griffith, Esq., had been

The house of Samuel S. Lamplugh was a well-known stand in those days in the Village of Darby, formerly kept by Stephen Horn, and was fitted up for the accommodation of man and beast. "The bar furnished the choicest wines, liquors, etc., and the larder stocked with the best the market afforded, and no pains or expense was spared to make it agreeable to all who honoured him with his patronage." See Ashmead - "The Buttonwood" of the present day, 1905.

"requested and that he has very obligingly accepted
"the invitation.
"Voted that Reese W. Flower be admitted a member
"of the institute and being present complied with the
"further requisitions.
"Resolved that the election to fill the vacant offices
"of the Society be deferred,
"Voted that Joseph Jacobs be a member of the In-
"-stitute upon his complying with the further requi-
"-sitions of the Constitution.
"Voted that George Walker, of Susquehanna.
"county, Pa., be a correspondent and being present had
"notice thereof.
"Voted that John Edgar Thompson, of Philadelphia,
"be a correspondent and being present had notice thereof
"On Motion Dr George Smith, Dr. Samuel Anderson
"and Minshall Painter were appointed a committee to
"draft a system of rules and regulations for the government
"of the Institute during the sittings of its meetings,
"Voted That John Jackson be a member of the
"Institute upon his complying with the furthe requi-
"-sitions.

quote

At the adjournment of this meeting decision was reached that the next meeting of the Institute would be held at the house of Isaac Hall, in Nether Providence township, the meeting to fall on May 3rd, 1834, and would be a stated or regular meeting.

On the afternoon of the above date, the meeting was called to order, the First Vice-President presiding.

"On Motion John Miller and John Cassin
"were appointed to wait on A. H. Parker and
"ascertain if a room can be obtained in his house
"for the cabinet of the institute
"Who proceeded immediately to attend to the
"object of their appointment and now report
"That in an interview with A. H. Parker on
"the subject of their appointment he very obligingly
"offered the institute a room in his house for the
"accommodation of the cabinet without his re-
"-ceiving any pecuniary compensation for the use
"of it
"Which offer the institute accepts
"Agreeable to request J. P. Griffith Esq delivered
"a lecture on the subject of Geology before the In-
"-stitute at Darby on the evening succeeding
"their last meeting

Ans

"Voted that Robert R. Dutton be admitted a
 "member of the Institute and being present signed
 "the constitution
 "Ordered that the recording secretary procure a
 "suitable book for a record of all the donations made
 "to the Institute
 "The committee on circulating libraries made
 "report but from information now received it
 "appears to be imperfect it is referred to another
 "meeting
 "Voted that A. H. Parker be admitted a member
 "of the Institute and that the payment of the initi-
 "ation fee be dispensed with in consideration of
 "his offering to accommodate the Institute with a
 "room for the Cabinet
 "Voted that John P. Griffith Esq be admitted
 "a member upon his complying with the further
 "requisitions
 "Resolved that the Institute proceed to the election
 "of officers for the ensuing year by appointing two
 "judges to superintend the election and report the
 "result
 "Whereupon John Cassin and Robert R. Dutton
 "were appointed judges who after due time made
 "the following return:

President, George Smith, M.D.; Vice-Presidents, A. H. Park-
 er and Reece W. Flower; Recording Secretary, Minshall Painter; Cor-
 responding Secretary, Minshall Painter; Treasurer, John Miller; Man-
 agers, John Cassin, John Miller, Robert Dutton, Wm. B. Hilditch and
 George Miller, Jr.

On June 7th, 1834, the Institute convened with the Presi-
 dent in the chair. *at the regular meeting place in the Hall.*

"By a vote of the institute Dec 28th 1833
 "John Jackson was elected a member and
 "now being present complied with the further
 "requisitions of the constitution

"The committee appointed to draft a system of
 "rules and regulations for the government of the Institute
 "during the sittings of its meetings now made report
 "which upon consideration is adopted (see file No 1)
 "The report on circulating libraries made at
 "last meeting is re-committed to the same committee
 "to receive the necessary additions and corrections
 "On motion the following regulation was
 "adopted to be added to the rules of proceedings of
 "the Institute viz All persons proposed to be elected
 "as new members to be voted for by white and black
 "balls the white balls to be considered in favour
 "of electing
 "Ordered that the managers purchase such books
 "on mineralogy and botany as they may think
 "best to enable them to make the necessary ar-
 "rangements of the cabinet

On August 2nd, 1834, The Institute convened agreeable
 to adjournment the President in the chair
 "By a vote of May 3rd 1834 A. H. Parker was
 "elected a member and now being present signed
 "the constitution
 "The committee on circulating libraries made
 "a report which was accepted and ordered to be
 "offered for publication in the papers published in
 "this county (~~See file No 2~~)
 "M. Painter communicated to the Institute
 "Solutions by Nathaniel Vernon, of Baltimore, to
 "two mathematical questions which were referred
 "to M. Painter, A. H. Parker and G Miller--
 "The first report of the Cabinet of Natural Science
 "of Montgomery county was produced and read,

"Sept 6th 1834-Agreeable to adjournment the
 "Institute met. Most of the members in attendance

"The president in the chair
 "Voted that the Hon. Edward Darlington
 "be admitted a member and being present com-
 "plied with the further requisitions
 "Voted that Samuel Fairlamb be admitted
 "a member of the Institute upon his complying
 "with the further requisitions
 "Resolved. That each member be required
 "to make a report in writing to future meetings
 "of such locations of minerals in Del. Co. as
 "they are acquainted with

"Nov. 1st 1834. This being the time of the
 "stated meeting but a quorum not present take with
 "adjourned to meet on the 22nd inst at 2 oclock P M the museum
 "at the house of Isaac Hale (Hall)

The next meeting was held on November 22nd, with the President
 presiding.

"On Motion. Resolved that the managers
 "procure artificial eyes for the specimens that
 "may require them of the birds and quadrupeds
 "that are or may be placed in the museum
 "Resolved. That a committee be appointed
 "to procure blank printed forms suitable to
 "return the thanks of the Institute to such in-
 "-dividuals as may make considerable do-
 "-nations; to be signed by the corresponding
 "secretary
 "Dr George Smith and Minshall Painter
 "were appointed that committee
 "On Motion. Ordered that extracts from
 "our minutes concerning donations & contri-
 "butions be offered for publication in the papers
 "of this county
 "Some observations communicated
 "by John Cassin on the Cicada Septendeciem

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 "plied with the further requisitions
 "Voted that Samuel Fairlamb be admitted
 "a member of the Institute upon his complying
 "with the further requisitions
 "Resolved. That each member be required
 "to make a report in writing to future meetings
 "of such locations of minerals in Del. Co. as
 "they are acquainted with
 "A donation was announced from
 "Dr James Aitkin of a young snake with
 "two heads which was placed in the museum

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 "were appointed that committee
 "On Motion. Ordered that extracts from
 "our minutes concerning donations & contri-
 "butions be offered for publication in the papers
 "of this county
 "Some observations communicated
 "by John Cassin on the Cicada Septendeciem

"or Locust was read and directed to be
 "offered for publication in the public papers
 "of this county
 "Donations from Abigail Kimber was
 "received of brown hematite and Plumbago
 "from near Kimberton Chester Co
 "Also a specimen of Carbonate of Lime
 "from the same place presented by Emmor
 "Kimber
 "A specimen of fibrous carbonate of Lime from doe run Chester county was
 "received presented by James Painter
 "The following donations was received
 "from Joseph Jacobs of Darby
 "Prepared specimens of 860 species of plants
 "collected by him in New York New Jersey
 "and Pennsylvania They are well preserved
 "and many of the species rare
 "Also Jasper from Maiden creek Bucks county
 "Iron pyrites Perkiomen lead mines
 "blend do

"Manganesian garnet from near W. Chester
 "George Miller John Miller and Dr George
 "Smith in persuance of a resolution of Sept 6th
 "1834 reported catalogues of minerals and their
 "location (~~see reports No 3~~)
 "The following donations were received
 "from Benjamin Robinson and prepared by
 "John Cassin
 "The Procyon Lotor or rackoon of the
 "largest size
 "Also a species of the genius falco
 "John Miller contributed a specimen pre-
 "-pared also by John Cassin of a species of the
 "genius stryx
 "Also a number of minerals from Perkiomen
 "lead mines
 "John Cassin contributed a prepared
 "specimen of the Diadelphus Virginiana or
 "oppossum
 "Dr George Smith contributed a large
 "case for the reception of minerals accompanied
 "with about 170 specimens of different min-
 "-erals
 "Also a ~~report~~ copy of a report of the man-
 "agers of the Franklin Institute to the legislature
 "of Pennsylvania on weights and measures
 "On Motion M. Painter J. Cassin J.
 "Miller W. B. Hilditch and E. Darlington
 "are were appointed to devise ways and means
 "for a more permanent location of the Museum

"December 27th 1834. The Institute convened
"persuant to adjournment
"Voted that John Evans be admitted a member
"and being present complied with the further requisitions
"On Motion Voted that Dr Caleb Ash be
"admitted a member upon his complying with the

"further requisitions

→ "James Howard presented specimens of the
"rubellite from Chester County Pa
"That the Institute may be enabled to increase
"its collection of the minerals of the county as well
"as to obtain those from distant parts by exchange
"each member is requested to forward as soon as
"practicable a number of specimens of each mineral
"found in this county.
"Being desirous of acquireing and enjoying
"the powers and immunities of a corporation or body
"politic in laws in conformity of an act of the
"General assembly entitled "an Act to confer on
"certain associations of the citizens of this common-
"-wealth the powers and immunities of corporations
"as bodies politic in law" passed the 6th day of
"April one thousand seven hundred and ninety
"one. Do appoint Dr George Smith John Jackson
"and Minshall Painter to attend to having the
"Delaware County Institute of Science" so incorporated

The First Vice-President presided at the meeting of
March 9th, 1835. Upon motion it was

"Voted that Com. David Porter charge of
"affairs at Constantinople be a correspondent
"Voted that the Rev Wm M Engle of Phila
"be a correspondent
"and also
"Voted that John Price Weatherall of Phila
"be a correspondent
"Ordered. That the corresponding secretary inform
"the above correspondents of their election
"J. Miller from the committee to devise ways
"and means for a more permanent location of the
"museum made report
"When a motion was made by A H Parker
"To postpone the further consideration of the

"of the subject and that the report lie upon the
 "table
 "Which was agreed to
 "A Donation was received from Ellen Turner
 "of Philadelphia of 6 silver and copper foreign coin
 "A specimen of the Barnacle was received from
 "Collinwood Grubb of Providence
 "David Porter Jun presented the Institute with a
 "pair of Turkish Slippers also part of an olive root
 "from Mount Olivet in Judea
 "A donation was received from Theoderick
 "Porter of a considerable number of of ancient
 "foreign coins both of silver and copper
 "Jacob Painter presented a few minerals from
 "the neighborhood of Wilmington Del
 "Berzilai Black presented a nest of the
 "hummingbird
 "M. Painter contributed a number of minerals
 "with a collection of about 400 plants preserved
 "he also read two papers one on the Missletoe
 "the other on the object and tendancy of the Del
 "County Institute of Science which were directed to
 "be offered for publication
 "The managers presented a bill from Collinwood
 "Grubb of thirteen dollars for a new case that they
 "caused to be made which is directed to be paid
 "by a draft on the treasurer

President Smith presided at the stated meeting of May 2nd, 1835.

"Resolved that we proceed to the election of
 "officers for the ensuing year and that two persons be
 "appointed judges to superintend the election and report
 "the result
 "Whereupon John Evans and John Cassin were appointed
 "The Judges after due time reported the following
 "list of officers as duly elected for the ensuing year

President, George Smith, M.D.; Vice-Presidents, Rev. A.H.
 Parker and Hon. Edward Darlington; Recording Secretary, Minshall
 Painter; Corresponding Secretary, Rev. A. H. Parker; Treasurer, John
 Miller; Managers, John Cassin, John Miller, John Evans, John Jackson
 and Minshall Painter.

"John Ronaldson presented the Institute with an
 "extensive collection of sea and fresh watter shells &
 "petrifications with a variety of minerals and a
 "piece of plank much perforated and injured by the
 " belonging to the brig Ruth of Philadelphia
 "during a single voyage of eight months to the coast

"of Africa Also a copy of Jamisons Manuel of Mineralogy
 "Voted the thanks of the Institute to John Ronaldson for the handsome donation just received from him
 "Jo Cassin contributed about 200 preserved specimens of plants collected by him in Del Co
 "John Miller read some extracts from a letter received by him from his friend in Ohio
 "on the periodical locust which was directed to be filed
 "The treasurer made a verbal report by which it appears he received during the past year from members the sum of 29 dollars and that the amount of bills paid was 16 dollars leaving a balance in his hands at this date of 13 dollars
 "George Miller Jur contributed a specimen of the (Tringilla cardinales) cardinal grosbeak
 "A donation was received from Levis Miller of a specimen of the (Lanius Septentrionalis) or butcher bird

"on Motion The corresponding Secretary is directed to open a correspondence with the Chester County

"June 6th 1835. Met a quorum not in attendance. Adjourned to meet at the house of Isaac Hall on the first seventh day of August next at 2 oclock P. M

"of Isaac Hall on the first seventh day of August next at 2 oclock P. M

"August next at 2 oclock P. M

"August next at 2 oclock P. M

"pursuant to adjournment the Institute convened on August 1st, 1835, with the President presiding.

"Voted that Walter Hibberd be admitted a member and being present complied with the further requisitions

"Voted that Dr Walter Williamson be admitted

"a member of the Institute and being present complied with the further requisitions

"Also Voted that John K Zelin Esq be admitted

"a member and being present complied with

"the further requisitions of the constitution

"By a vote of December 27th 1834 Dr Caleb

"Ash was elected a member and being present

"complied with the further requisitions of the

"constitution

"On motion of E. Darlington

"Voted that Dr Heap charge of affairs at

"Tunis be a correspondent of the Institute.

"Voted that James Ronaldson Esq of the city

"of Philadelphia be a correspondent

"and also

"Voted that Dr George H Parker of Kentucky

"be a correspondent

"Ordered that the corresponding secretary

"inform the gentlemen above named of their

"election as correspondents of the Institute

"The corresponding secretary read a letter received

"of Africa Also a copy of Jamisons Manuel of Mineralogy
"Voted the thanks of the Institute to John Ronaldson for the handsome donation just received from him
"Jo Cassin contributed about 200 preserved specimens of plants collected by him in Del Co
"John Miller read some extracts from a letter received by him from his friend in Ohio
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"George Miller Jur contributed a specimen of the (Tringilla cardinales) cardinal grosbeak
"A donation was received from Levis Miller of a specimen of the (Lanius Septentrionalis) or butcher bird

"on Motion The corresponding Secretary is directed to open a correspondence with the Chester County Cabinet, the Montgomery County Cabinet & the Newgarden Cabinet

"August

Pursuant to adjournment the Institute convened on August 1st, 1835, with the President presiding.

"Voted that Walter Hibberd be admitted a member and being present complied with the further requisitions

"Voted that Dr Walter Williamson be admitted

"a member of the Institute and being present complied with the further requisitions

"Also Voted that John K Zelin Esq be admitted

"a member and being present complied with the further requisitions of the constitution

"By a vote of December 27th 1834 Dr Caleb

Ash was elected a member and being present

complied with the further requisitions of the constitution

"On motion of E. Darlington

"Voted that Dr Heap charge of affairs at

Tunis be a correspondent of the Institute.

"Voted that James Ronaldson Esq of the city of Philadelphia be a correspondent

and also

"Voted that Dr George H Parker of Kentucky

be a correspondent

"Ordered that the corresponding secretary

inform the gentlemen above named of their

election as correspondents of the Institute

"The corresponding secretary read a letter received

"from James Ronaldson Esq of Philadelphia
 "enclosing a check of twenty five dollars on the United
 "States bank in favour of the Institute
 "A circular was issued by the teachers of Phila-
 "-delphia requesting that literary and scientific
 "societies of the State of Penna send delegates to
 "a convention proposed to be held at West Chester
 "on the third Tuesday of August next to deliberate
 "on the propriety of forming a State Lyceum
 "when on motion of J K Zelin it was.
 "Resolved That three delegates be appointed by the
 "Institute to attend said convention.
 "Whereupon J.K.Zelin, E.Darlington and J.
 "Evans were appointed
 "Resolved. That the offer made by James
 "Ronaldson of a lot of ground laying near the
 "Rose Tree in the Township of U. Providence for the
 "purpose of erecting buildings thereon for the use of
 "the Institute be and it is hereby accepted
 "The report of the committee to devise ways &
 "means for the better accommodation and more per-
 "manent location of the museum made March 9th
 "1835 was now further considered and
 "Resolved That said committee procure suitable
 "books and proceed to obtain subscriptions for
 "said purpose
 "On motion J. K. Zelin A.H. Parker J. Evans
 "and Dr W. Williamson were appointed an
 "addition to the committee (appointed Nov 22nd
 "1834) to carry the above resolution into effect
 "A donation was received from Capt Isaac
 "Engle of two teeth of the sperm whale
 "Also from George Cummins a specimen of
 "black shorle from Del. Co.
 "E. Darlington contributed a copy of the Geological
 "report of an examination made in 1834 of the
 "elevated country between Missouri and Red
 "river by G. W. Featherstanhaugh
 "John Evans exhibited before the Institute a
 "branch of the Maclura Aurantiaca with fruit
 "thereon which grew in his garden and is perhaps
 "the first tree of the kind that ever bore fruit in
 "this county
 "Adjourned to meet the 1st seventh day of
 "Sept. next at White hall in haverford township
 "Del. Co at 10 oclock A M

At a meeting held ^{the} September 5th 1835, per-
suant to adjournment, at White hall,
"Agreeable to previous arrangement the Institute
"was met by a number of the members of the Montgomery
"County Cabinet of Natural Science which contributed
"to render the meeting more than usually interesting
"and a familiar and social acquaintance being
"thereby formed between the members of the two societies
"that will be highly advantageous. Some of the
"members with commendable industry had collected
"plants and minerals for examination & dicision
"by which part of the time was passed interestingly
"instructive. Upon it being known that a meeting
"of the two societies was then sitting and that it
"would be agreeable to visit the place the Superintendent
"of the Haverford Central School gave an invitation
"to the meeting to visit it which was accepted
"Upon our arrival we were met by the Superintendent
"and shown the buildings and improvements with
"urbanity and freedom which has always been his
"characteristic. The buildings are well constructed
"for the purpose for which they were intended. The
"library appeared to be well selected from books in
"the English and other languages. The lecture room
"was well supplied with Chemical and Philosophical
"apparatus addapted to the advanced stage of Science
"there was exhibited in the same room some collec-
"-tions towards a general Cabinet of Natural History
"We were also shown a garden and small green
"house belonging to and under the care and direction
"of the students which displayed neatness and taste
"highly creditable to them. And were likewise in-
"-formed that they had collected specimens of most
"of the plants found in that neighborhood.
"It appears from the public papers that the con-
"-vention proposed to be held at West Chester to
"establish a State Lyceum met but we have to
"regret that none of the delegates appointed at last
"meeting were in attendance
"The day having far advanced it was deemed
"proper for the meeting now to adjourn the members
"of the Delaware County Institute of Science having
"first agreed to meet again at the house of Isaac Hall
"in the township of Providence on the first seventh
"day of October next

At the meeting of October 3rd, 1835, President George Smith
 presiding, "The committee on subscriptions towards
 "erecting buildings for the use of the Institute

"reported progress

"A H. Parker presented on behalf of our cor-

"respondent the Rev Wm M. Engle of Philadelphia

"a number of minerals together with 50 foreign coins

"Also on behalf of our correspondent James

"Ronaldson, Esq., of Philadelphia a draft of the

"proposed plan of the buildings for the use of the

"Institute

"E. Darlington presented on behalf of Samuel

"Edwards Esq of Chester a number of minerals from

"South America

"The president presented on behalf of David

"M Davis a number of petrifications from the marl

"pits from near Woodstown N. Jersey with some

"other minerals

"J. Evans presented on behalf of Allen W. Corsan

"of Montgomery County a specimen of Calcareous

"spar from that county

"M Painter presented on behalf of James Ronaldson

"of Philadelphia a specimen of the gold bar from

"from near Fredericksburg Virginia and a specimen

"of polished calcedony from Middletown in this

"county

"he also presented on behalf of David Cummins

"a specimen of black mica

"M Painter contributed a specimen of cal-

"-careous spar from Chester Co also a specimen of sea weed

"On motion of Dr Williamson

"Voted that John Randal Jur (civil engineer) of

"New Castle Delaware be a correspondent

"and ordered that the corresponding secretary

"inform the above gentleman of his election.

"On motion decided that our next stated

"meeting be held at the house of George Cummins

"in upper providence at 2 o'clock

On November 7th, 1838, at the stated meeting of the Institute, President Smith presiding

"Voted that John Pechin of Radnor be admitted
"a member and being present complied with the
"further requisitions

"Voted that Samuel Lewis of Radnor be
"admitted a member and being present com-
"-plied with the further requisitions

"The committee on subscriptions reported
"progress

"Resolved that the following be added to the
"by-laws as the 19th rule

"At the time of holding any general or ad-
"-joined meeting any number less than a quorum
"provided a quorum is not in attendance shall
"have power to fix the time of holding the next
"adjourned meeting. Provided it is to be held
"at the usual place of holding the meetings

"Resolved that the following be added to
"the by-laws as the 20th rule

"At the General or Stated Meeting in May in
"each year there shall be standing committees
"appointed on the following subjects viz

"1st on agriculture and Horticulture

"2nd on Natural History

"3rd on Medical Subjects

"4th on Chemistry Philosophy and Physics

"5th on History Antiquities and jurisprudence

"6th on the Arts

"whose duty it shall be to attend to the pro-
"-motion of the departments for which they were
"appointed and attention to the subjects that may
"be referred to them. They shall make reports as
"often as may be required by the Institute and
"they shall also make summary reports on the
"subjects of their appointment to the Stated
"Meeting in May.

"On Motion. Resolved That Standing Com-

"-mittees be now appointed on the several subjects
"agreeable to the 20 rule of by-laws

"Whereupon the following were appointed
"On Agriculture and Horticulture J Evans W.
"Hibberd and M. Painter
"On Natural History J. Miller J. Jackson
"and S Lewis
"On Medical Subjects C Ash, W. Williamson
"and J Pechin
"On Chemistry &c A H Parker C. Ash & J Cassin
"On History &c J. K. Zeilin, E Darlington
"and A H. Parker
"On the Arts W Williamson J. Miller and
"W. B. Hilditch
"Dr Ash presented on behalf of Joseph Jacobs
"of Darby a considerable number of interesting
"minerals from England the State of N. York and
"other places
"The president presented on behalf of Daniel
"Austin of Philadelphia a specimen of the plant and
"fruit perserved in a liquid prepared from rice
"called arrach of the Myristica Moschatta or
"nutmeg from the ~~E~~ Indies
"He also presented on behalf of Isaac P Trimble M D
"of Philadelphia a handsomely prepared skeleton of the monkey
"Collinwood Grubb presented a number of
"specimens of pyrope found in Concord Del Co
"A nest of the Hummingbird was presented by
"on behalf of John Ronaldson of Philadelphia
"Then adjourned to meet at the house of George
"Cummins in U. Providence on the 26th of Dec
"next at 2 oclock

"Dec 26th 1835. Pursuant to adjournment the
"Institute convened a quorum in attendance John
"Miller in the chair
"Voted that Dr Richard Gardner of Springfield be admitted a
"member and being present complied with the requisitions
"of the Constitution
"Voted that Levis Miller of Providence be admitted
"a member and he complied with the further requi-
"-sitions
"Voted that James Howard of Edgmont be admitted
"a member and being present complied with the
"further requisitions
"And also voted that John Hoops of Edgmont
"be admitted a member and being present complied
"with the further requisitions
"The committee on subscriptions reported progress
"On motion Dr Richard Gardner was added to
"the committee on Medical Subjects
"W. B. Hilditch contributed a specimen of
"gold ear from the Rappahannock river. A considerable
"number of ancient coins and a work entitled
"Introduction to the Linean System of Entomology
"Dr C Ash contributed a number of shells from
"the Connecticut river. A specimen of Quincy granite
"carb of lime from Salem New Jersey (secondary) and
"the seed of the Gymnocladus Canadense which was
"referred to the Standing committee on agriculture
"and horticulture
"John Miller presented on behalf of Sarah
"Walker of Susquehanna County a geological spe-
"cimen of secondary rock from that place
"Dr C Ash and Joseph Jacobs were now introduced
"as delegates from the Darby Lyceum lately estab-
"lished and requested that the Institute would act
"as a County Lyceum for Del. Co the consid-
"-eration of which is referred to another meeting
"Also Darby Lyceum forwarded 36 packages of
"minerals from that neighborhood put up and
"correctly labelled by the pupils of Darby School
"under the care of Joseph Jacobs which were directed
"to be distributed to the several schools of the county
"Then adjourned to meet at the house of George
"Cummins in U. Providence on the first seventh
"day of February next at 2 o'clock P M

ADAM C. ECKFELDT

S. Robert Allen
5

DELAWARE COUNTY INSTITUTE OF SCIENCE

COPY OF THE ORIGINAL CHARTER AND BACK ENDORSEMENTS THEREON.

(COPY OF CHARTER.)

CONSTITUTION OF THE DELAWARE COUNTY INSTITUTE OF SCIENCE/

PREAMBLE. The progress of civilization and the consequent intelligence derived therefrom, is calculated to stimulate us to increased exertion, in the acquisition and diffusion of General Knowledge. In no age and in no country has Ignorance been esteemed honorable, and the effort to increase to the greatest extent our information, if, we conceive at once commendable and praiseworthy. Of all the plans devised for so important a purpose none has appeared better adapted to the community than the forming of a society by which our exertions and information will be concentrated, and we derive important advantages from similar institutions scattered throughout our country, and also from the establishment of a Museum of Natural Sciences and the Arts, by which our knowledge on those subjects may be facilitated and increased. It is hoped the subject will so far recommend itself to the intelligent of the county/as to receive their immediate support, that it may be established for its use-/fulness, and continue as long as the enjoyment of knowledge is held dear. For the carrying of these views into operation the following Constitution is adopted to enable the Society to become firmly established and active and energetic in its operations./

CONSTITUTION.-Chapter I. Article 1. The object of the Society shall be to promote the study and diffusion of general knowledge and the establishment of a Museum, &c.: and shall be called "The Delaware County Institute of Science." Article 2. The Museum shall be kept and the Society shall hold its meetings at some place as near the centre of Delaware County as can be suitably obtained. Article 3. The Society shall consist of members and correspondents who shall/be admitted after being proposed by two members and three fourths of the members present agreeing at any general meeting. No person shall be a member who is not a resident of the county of Delaware in the State of Pennsylvania and citizens of the State aforesaid, and any member removing/out of the county shall cease to be a member; but there shall be no restriction as to the residence of correspondents. Article 4. The right of voting, holding office and transacting business shall be vested exclusively in the members; but correspondents may have the privilege of attending all meetings of the Society and of visiting the Museum. Article 5. Every person on his admission into the Society shall sign this Constitution as an evidence of his intention to conform in good faith to its provisions with the date attached when subscribed./

Chapter II. Article 1. The officers of the Society shall consist of a President, Two Vice Presidents, One Treasurer, One Recording Secretary, one Corresponding Secretary and five Managers. Article 2. The officers of the Society shall be chosen by/ballot annually on the first Saturday in May, and no one shall be considered duly elected who shall not receive a majority of the whole number of votes given in; Provided

20
DELAWARE COUNTY INSTITUTE OF SCIENCE

COPY OF THE ORIGINAL CHARTER AND BACK ENDORSEMENTS THEREON: Contd.:

that the Society may at any time fill a vacancy occasioned by death/resignation or otherwise. Article 3. It shall be the duty of the President (if present) to preside at all meetings of the Society and to preserve order. He shall draw his warrant on the Treasurer for all monies authorized to be expended by the Society./ Article 4. One of the Vice Presidents shall perform the duties of the President in his absence. Article 5. The Treasurer shall receive all monies belonging to the Society, and shall pay the same on the warrant of the President. He shall keep an account of his receipts and expenditures and shall make a statement of the same on the first Saturday in May annually to the Society or oftener if required, and shall pay any balance he may have in his hands at the expiration of his term of service to his successor. Article 6. It shall be the duty of the Recording Secretary to take down the minutes of each meeting and when corrected copy them into a book to be kept for that purpose. He shall read all letters and papers communicated to the Society, and transcribe such of them into a proper book as the Society may think worthy of being preserved. He shall deliver to the Treasurer a statement of all fines incurred--he is also to make a record of each specimen deposited in the Cabinet/of the Society and if presented to make a note of the doner's name. It shall also be his duty to give notice of the time and place of holding each meeting. Article 7. The Corresponding Secretary shall write and answer letters in behalf of the Society and take charge of all matters of correspondence. Article 8. It shall be the duty of the Managers to take charge of, and keep properly arranged all property of every description (money excepted) belonging to the Society. It shall be their duty annually to make a report on the condition and prosperity of the Society, suggesting such improvements as may occur to them. Chapter III. Article 1. There shall be two stated or general meetings of the Society held in each year for the transacting of business, to wit: on the first Saturday in May and November which may adjourn from time to time. Article 2. Five members shall be necessary to constitute a quorum to do business at any general, stated or adjourned meeting, except to elect officers when any number attending/shall be sufficient. Chapter 4 (IV). Article 1. Persons becoming members shall at the time of subscribing the Constitution pay to the Treasurer the sum of Two Dollars. Article 2. Each member shall contribute annually on the first Saturday in May/the sum of one Dollar. Article 3. Any member who shall be in arrears for more than one year of any annual installment, fine or forfeiture, shall not be entitled to vote at any meeting; and if any member will not conform to the established/order of the Society, or neglect to pay any of his dues, fines or forfeitures, for one year after they become due, and after three months notice, the Society may order his name to be erased from the list of members; and he shall forfeit from that time/all his rights and interest in the Society, but this shall not be construed to exonerate any member from payment of his dues until actual expulsion. Article 4. Any member may resign his right of membership by giving a relinquishment in/writing at any meeting: Providing all arrearages are paid. Chapter V. Article 1. Any alteration in the Constitution may be made by proposing it in writing at one stated

200

DELAWARE COUNTY INSTITUTE OF SCIENCE

COPY OF THE ORIGINAL CHARTER AND BACK ENDORSEMENTS THEREON: Contd.:

meeting of the Society, and adopting it at the next stated meeting/by a majority of all the members present. Article 2. The Society shall have power to enact such By-Laws at any stated meeting as may not be inconsistent with this Constitution, or the Constitution of the United States or of this State./

RICHARD GARDINER
JOHN PECHIN
SAML. LEWIS
LEVIS MILLER

WALTER HIBBARD
WALTER WILLIAMSON
JNO. K. ZEILIN
WILLIAM B. HILDITCH
JAMES HOWARD
JOHN HOOPES
CALEB ASH

GEO. SMITH
ALVIN H. PARKER
JOHN MILLER
JNO. EVANS
E. DARLINGTON
MINSHALL PAINTER

Note.--All underscored words to be as in original 'English Text.'

Where '/' is used represents end of line on the original instrument.

125
DELAWARE COUNTY INSTITUTE OF SCIENCE



Photograph by Dr. A. E. Broomall
showing original weather-vane on
the first and second Court House
at Media, Penna. This original
vane is in the possession of the
Institute and hangs in the west
end of the Hall.



MEDIA TRUST CO. & CHARTER NAT BANK. 1593

INSTITUTE BUILDING-South Avenue
Media, Penna.

Showing Bank extension on South
Side.

DELAWARE COUNTY INSTITUTE OF SCIENCE



INSTITUTE BUILDING-South Avenue
Media, Penna.

showing the barns or stables of
Joseph Chadwick and George Broomall
in rear, before the bank extension
was erected.

COPY OF THE ORIGINAL CHARTER AND BACK ENDORSEMENTS THEREON:--Contd.:

BACK ENDORSEMENTS

1.

2.

3.

4.

Position of Endorsements:

(1)

PENNSYLVANIA §§.:/

In the name and by the authority of the Commonwealth/
of Pennsylvania, Joseph Ritner,/
Governor of the said Commonwealth -----/

JOS. RITNER

To Tho. H. Burrowes, Esquire Secretary of the said /
Commonwealth -----Sends Greeting /

(Great
Seal of
Penna.)

Whereas, it has been duly certified to me by James Todd Esqr/
Attorney General of the said Commonwealth and by John B. Gibs
son/ Esquire, Chief Justice, Molton C. Rogers, Charles Huston
Jno./ Kennedy and Tho. Sergeant, Esquires, Associate Justices
of the/Supreme Court of Pennsylvania, that they have re-
spectively perused/and examined the within instrument for
the incorporation of/

The Delaware County Institute of Science and that they concur in opinion,
that the objects, articles and conditions/therein set forth and contained
are lawful.---Now know you, That, in pursuance of an Act of the/ General
Assembly, passed the sixth day of April, in the year of our Lord one
thousand and seven hundred and/ninety-one, entitled "An act to confer on
certain associations of the citizens of this Commonwealth, the powers/
and immunities of corporations or bodies politic in law," and a supplement
to the same, passed the eighth/day of April in the year of our Lord one
thousand eight hundred and thirty-three, I have transmitted the said/
act or instrument of incorporation unto you the said Tho. H. Burrowes,
Secretary of the said Commonwealth/hereby requiring you to enroll the same,
at the expense of the applicants, to the intent that, according to the
objects,/articles, and conditions therein set forth and contained, the par-
ties may become and be a corporation and body politic/ in law and in
fact, to have continuance by the name style and title, in the said in-
strument provided and/declare,-----/

Given under my hand and the Great Seal of the State, at
Harrisburg the eighth day of/February in the year of our
Lord, one thousand eight hundred and thirty-six, and of
the Commonwealth/the Sixtieth.-----/

DELAWARE COUNTY INSTITUTE OF SCIENCE

COPY OF THE ORIGINAL CHARTER AND BACK ENDORSEMENTS THEREON: Contd.:

By the Governor/
THO. H. BURROWES/
Sec. of the Commw^h. /

COMMONWEALTH OF PENNSYLVANIA, SECRETARY'S OFFICE-----/

Enrolled in Charter Book No. 5 page 450 containing a record of Acts in-
corporating sundry literary charitable/ and religious institutions.---/

(Seal)

Witness my hand and seal of office at Harrisburg this
eighth day of February/ in the year of our Lord one
thousand eight hundred and thirty-six, and of the/
Commonwealth the sixtieth/

THO. H. BURROWES/
Sec. of the Commonw^h.

(2)

I do hereby certify that I have agreeably to the direc-
tions of the act of Assembly of 1791 perused and ex/ amined the within
instrument and believe the objects/ articles and conditions therein set
forth and contained are/ lawful. Witness my hand this 4th day of Jan-
uary/ one thousand eight hundred and thirty-six./

JAMES TODD/
Attorney Genl./

(3)

We, the Justices of the Supreme Court of Pennsylvania, certi-
fy that having/ perused and examined the within instrument, we concur on
opinion/ with the Attorney General, that the objects, articles and
conditions therein/ set forth and containing are lawful./

Witness our hands at Philadelphia the sixteenth day of Jan-
uary in the/ year of our Lord one thousand eight hundred and
thirty six./

JOHN B. GIBSON/
MOLTON C. ROGERS/
CHARLES HUSTON/
JNO. KENNEDY/
THO: SERGEANT./

DELAWARE COUNTY INSTITUTE OF SCIENCE

COPY OF THE ORIGINAL CHARTER AND BACK ENDORSEMENTS THEREON: Contd.:

(4)

I STEPHEN PAYRAN, Jr., Prothonatory of the Supreme Court of the eastern district of Pennsylvania, do hereby certify that the within written instrument or charter of incorporation was duly presented to the Justices of the Supreme Court of Pennsylvania/agreeable to the rule of Court in such case made and provided and by them/duly allowed as in their certificate set forth./

(Seal)

In testimony whereof I have hereunto set my hand and/fixed the seal of said court, at Philadelphia the/Thirtieth day of January A.D. 1836./

STEPHEN PAYRAN, JR./
Pro^y S.C.E.D. of Pa.

CHAPTER II.

Minutes-1836-1837-

"Feb 6th 1836. Pursuant to adjournment the
"Institute convened a quorum in attendance
"Walter Hibberd in the chair
"A letter to one of our members from our Pres-
"ident dated Harrisburgh Jan 30th 1836 relating to
"the charter of the Institute was read
"The committee on subscription reported pro-
"gress
"The consideration of the subject relating to
"a county Lyceum was taken up when M
"Painter offered for consideration certain Preamble
"resolution and articles relating to the subject
"which were directed to lie upon the table
"M Painter contributed about 100 preserved
"specimens of plants found growing in Delaware
"County
"A specimen of Sulphuret of Iron from the
"coal mines was received from John Edwards Esq
"David Cummins presented specimens of
"mica actynolite lithomarge and magnetite oxide
"of iron
"Collinwood Grubb presented a specimen
"of Black Shorle
"The last annual report of the Chester County
"Cabinet was produced and read
"M Painter read two papers before the Institute
"one on Education the other on the destructiveness
"of Insects which was directed to be offered for
"publication
"Adjourned to meet at the house of George Cummins
"on the first seventh day of March next at 2 oclock
"P M *

End of 1st Minute Book.

* The contents of the above minute book-1833-1836- are apparently written by Minshall Painter, but in no case does his name appear at the end of the various minutes of the meetings. The writing is in good state of preservation, showing that the ink used was of a very superior quality.

"March 5th 1836 Met pursuant to
"adjournment the President in the chair
"Voted that John Leedom M.D. be admitted
"a member upon his complying with the further
"requisitions
"The corresponding Secretary informed that
"he had received a letter from Com. David
"Porter dated in July last in reply to one an-
"-nouncing to him his election as correspondent
"Also one from our correspondent James Ron-
"-aldson Esq of Phila accompanied with seeds from
"Scotland of different kinds of gra/s and grain
"and informed the Institute that unavoidable cir-
"-cumstances prevented him from attending the
"meetings earlier to announce them
"The seeds received from J. Ronaldson Esq is
"referred to the Standing committee on agriculture and
"horticulture that they may receive the necessary
"attention
"The Recording Secretary read a letter received
"by him from James Ronaldson, Esq on Subjects
"interesting to the Institute accompanied with a
"small package of clover seed of a new species (Tri-
"-folium incantium as he calls it) which is referred
"to the standing committee on agriculture and
"horticulture
"On motion of A. H. Parker
"Resolved. That a select committee be appointed
"to wait on Mr Ronaldson of Philadelphia for
"the purpose of respectfully asking for a subscription
"for the purpose of erecting a building for the
"Delaware Co Institute of Science and that this
"shall be done immediately and report to next
"meeting
"Whereupon A. H. Parker, Painter and/J Miller were appointed
"On motion. Resolved that a committee
"be appointed to procure or devise a suitable
"plan for a building to contain a lecture room
"and rooms for our museum and if thought
"advisable rooms for a family with an
"estimate of the probable cost to be submitted

"to a subsequent meeting for aprobatation and that
"this committee be styled the building committee
"When G Smith M Painter J Evans J Miller
and A H Parker were appointed
"Resolved that Additors be appointed to
"examine the treasurers accounts and make a full
"report to next meeting
"When J. Howard and W Hibberd were ap-
"-pointed
"The further consideration of the preamble
"resolution and articles relative to a county Ly-
"-ceum offered at last meeting were now resumed
"When on motion of C Ash the subject is
"referred to a committee consisting of C Ash/A H Parker and M Painter
"A number of minerals from Perkiomen lead
"mines were received from Thomas Davis of Radnor
"Walter Hibberd contributed a number of spe-
"-cimens of plants principally from Middletown
"in this County
"The committee apointed Dec 27th 1834 to
"the Institute incorporated report that they
"obtained it on the 8th day of February 1836 The
"Charter is placed in the hands of the recording
"secretary and the committee dismissed
"Adjourned to meet at G Cummins/on the 2nd of April 1836 at 2 oclock PM

"April 2nd 1836 Met pursuant to adjournment
"the first vice president in the chair
"Voted that James Lewis of Marple be
"admitted a member and being present com-
"-plied with the further requisitions
"The Auditors appointed to settle the
"treasurers accounts made report in writing by
"which it appears there is a balance in the
"hands of the treasurer at this date of thirty five
"dollars and an outstanding of one dollar
"The committee appointed to wait on J
"Ronaldson Esq of Philadelphia made a report in
"writing by which it appears the sum of one
"hundred and fifty or two hundred dollars
"may be expected either from him or obtained
"through his exertions from his friends
"The committee on the Lyceum system
"as referred to them at last meeting made a
"report in writing which was accepted and after
"being read by parts is adopted
"On motion of J Miller
"Resolved that A H Parker be exonerated
"from payment of the yearly instalments due
"from him up to this date
"Ordered that the building committee re-
"port to next meeting a suitable plan for the
"building to be erected for our use as also an
"estimate of the cost

JOHN K. ZEILIN, Esq.

200

Dr. SAMUEL ANDERSON, M.D.

311

EDWARD DARLINGTON, Esq.

MINSHALL PAINTER

In Photo album

"At a stated meeting of the Institute
"held May 7th 1836 the 1st vice President in
"the chair

"Voted that George Cummins of U. Prov-
"-idence be a member and he being present
"complied with the further requisitions---
"Also voted that Joel Sharpless of Middletown
"be admitted a member and being present
"complied with the further requisitions
"The building committee reported as di-
"rected at last meeting and after considerable
"discussion the plan was adopted and the
"building committee--
"Ordered to proceed to cause such building
"to be erected and completed so far as to have
"the walls finished and roofed in and if ne-
"cessary to enter into articles of agreement
"with any person or persons competent to
"to erect and complete such building or any
"part thereof and the said building committee
"to sign their own names on behalf of the In-
"-stitute not binding themselves personally
"but the property of the Institute exclusively
"and the said committee are further directed
"and empowered to have the general supervi-
"-sion and direction of the building as it pro-
"-gresses and to do all things necessary to be
"done on behalf of the Delaware County
"Institute of Science.
"M Painter from the standing committee
"on agriculture and horticulture made report
"which was adopted and directed to be published
"Dr C Ash from the standing committee
"on medical subjects made report which was
"was accepted and the accompanying resolutions ad-
"-opted and directed to be published
"Dr W. Williamson from the standing committee
"on arts made report which was accepted and
"directed to be published
"The other standing committees not yet
"reported are requested to do so as early as pos-
"-sible
"M. Painter on behalf of the managers made
"report which was accepted and the managers
"directed to cause such number of copies to be

"printed for distribution as may be thought
 "advisable
 "The following standing committees were
 "now appointed for the ensuing year
 "On Agriculture & J. Evans . J Jackson and
 "M Painter
 "On Natural History J Miller W. Hibberd
 "J. Jackson and S Lewis
 "On Medical Subjects C Ash W Williamson/G Smith and J. Leedom
 "On Chemistry & A H Parker C Ash . J.
 "Sharpless and James Lewis
 "On History & J. K. Zelin. J. Hoops &
 "E. Darlington
 "On the Arts W. Williamson J. Howard
 "L. Miller and W. B. Hilditch
 "On motion Proceeded to the election of
 "officers for the ensuing year when J Miller &
 "W Williamson were appointed tellers who
 "reported the following as officers duly/elected

President, George Smith, M.D.; Vice-Presidents, Rev. A. H. Parker and C. Ash, M.D.; Corresponding Secretary, Rev. A. H. Parker; Recording Secretary, Minshall Painter; Treasurer, John Miller; Managers John Miller, James Lewis, W. Hibberd, John Evans and Minshall Painter.

"Voted Brown Dragomen to the
 "Sublime Porte be a correspondent
 "Voted that Charles B. Trego Esq of Philadelphia
 "be a correspondent

"Voted that Morris C Shelcroff's M.D. of Phil-
 "-adelphia be a correspondent
 "Also voted that Robert M Huston MD of Phil-
 "-adelphia be a correspondent
 "The corresponding Secretary is directed to
 "inform the above gentlemen of their election
 "John Miller presented a number of
 "foreign coin
 "Then adjourned to meet at the usual
 "place on the 4th of June next

"June 4th 1836. The Institute convened
"the 2nd Vice-president in the chair
"The building committee reported progress
"Resolved that the President draw his warrant
"on the treasurer in favour of the building com-
"-mittee for the sum of fifty dollars to be accounted
"for in the settlement of their accounts
"A quantity of the seed of the Silesian beet
"at present used in France for the manufacture
"of sugar was announced as being received from
"James Ronaldson of Phila which is directed to
"care of the committee on agriculture part of the
"seed being now distributed among the members
"and other gentlemen in attendance
"John Evans exhibited an horticultural
"production of two apples the produce of his orchard
"which he calls the Aston apple the grafts taken
"from a seedling now growing in Haverford in
"this county the fruit is of good size and fine
"flavour for such kind of fruit at this season
"of the year
"He also contributed a mineral which with
"some doubt is called micaceous oxide of iron
"John Pechin contributed some minerals
"from near Lancaster
"Some observations were read by M Painter
"on beet root sugar and directed to be pub-
"lished
"Then adjourned to meet the 2nd of July next
"at 2 oclock at the usual place

"July 2nd 1836 The Institute convened the Pres-
"ident in the chair
"The minutes of last meeting read and approved
"The Building committee reported **progress**
"Dr George Smith contributed about 40 plants
"collected near Cape May in N. Jersey and also
"in the neighborhood of Harrisburgh Pa.
"Adjourned to meet the 6th of August next
"at 2 oclock at the usual place

"September 3rd 1836 The Institute convened
"the President in the chair
"The minutes of last meeting read and ap-
"proved
"The building committee reported progress
The walls of the building being near the
"square
"Charles Kelly of Upper Darby presented by
"the hand of Dr Smith a specimen of limped
"quartz from Lower Merion

"Dr George Smith contributed a consid-
"erable number of Minerals from York county
"and other places
"John Pechin contributed a number of
"dodecahedral garnet from near the Union
"School house in Lower Merion township Mont-
"gomery Co
"Thomas Gracy contributed a specimen
"of coral and also a sea shell of uncommon
"appearance
"On motion of W. Hibberd
"Resolved That the building committee
"be and they are hereby instructed to have
"the building completed without delay and
"if necessary to borrow money sufficient for
"that purpose on the credit of the corporation
"On motion
"Resolved That the building committee
"be authorized to procure a corporate seal
"for the Institute

"A bill from Lindsey and Pechin for
"lumber used in erecting the building of the
"Institute amounting to 87 dollars and 59 cts
"was presented and ordered that the President
"draw a draft on the treasurer in their favour
"for that sum
"The President is directed to draw a
"draft on the treasurer for the sum of forty
"dollars in favour of Hiram Pyle the con-
"tractor for the carpenter work of the building
"of the Institute to be accounted for in the
"settlement of his accounts
"The President is also directed to draw
"a draft on the treasurer for the sum of one
"hundred dollars in favour of Thomas Reese
"contractor of the mason work of the building
"of the Institute to be accounted for in the
"settlement of his accounts

"October 1st 1836. The Institute met the president/in the chair

"The minutes of last meeting read and ap

"-proved

"Sketchly Morton of Ridley was elected a

"member of the Institute

"By a vote of March 5th 1836 John Leedom

"MD of U. Providence was elected a member and

"he now being introduced complied with the further

"requisitions

"The corresponding secretary reported the reception

o a letter from Morris C Shellcrogs MD of Phila

"in reply to one announcing to him his election as

"correspondent

"The building committee reported that the building

"committee for the use of the Institute is roofed and

"that the walls are dashed.

"On motion

"A committee appointed consisting of

"A H Parker and J Miller to confer with the Sec-

"retary of-the-Secretary of the Delaware County Insurance

"Company,"to ascertain the sum necessary to insure

"the buildings of the Institute valued at one thousand

"dollars against loss by fire for one year

"M Painter offered the following resolutions

"Resolved that Chapter 4 Article 1st of the Constitu-

"-tion of the Institute be so altered as to require ten

"dollars instead of two dollars of new members as

"initiation fee

"Resolved. That Chapter 4th Article 2nd of the

"Constitution of the Institute be so altered as to increase the

"annual contribution due from each member on the first

"Saturday of May Annually from one to two dollars

"Which resolutions according to Chapter 5th Art 1st

"of the Constitution must be referred to the next Stated

"Meeting for consideration

"James Howard contributed the seed of the

"Clematis viorna or leather flower found growing in

"Chester County

"M Painter presented on behalf of Joseph A Clay

"of Phila. a specimen of oar from the vein called

"St Catalona mine of La Baja Pamplona New

"Granada in S America remarkable for containing

"native gold sulphuret of iron sulphuret of zinc gray

"silver oar sulphuret of antimony and copper

"Dr G Smith presented on behalf of Joseph Jacobs

"of Darby a very large muscle shell (of a species dif

"-ferent from that in our streams generally) found in a

"small stream that empties into Maiden Creek in

"Berks county

"A H Parker presented on behalf of Richard

"Ronaldson of Phila a specimen of copper oar from

"Lima S. America

"Ordered That the President draw his draft on

"the treasurer in favour of Hiram Pyle for 75 dollars

"to be accounted for in the settlement of his accounts

"At a Stated Meeting of the Delaware
"County Institute of Science held Nov 5th 1836
"The president in the chair
"The minutes of last meeting read and ap-
"proved
"Ordered that the president draw his draft on
"the treasurer in favour of Thomas Reese the
"contractor for the mason work of the buildings
"of the Institute for the sum of 250 dollars to be
"accounted for in the settlement of his accounts
"Ordered That the president draw his draft on
"the treasurer in favour of Hiram Pyle (contrac-
"-tor for the carpenter work of the buildings of the
"Institute) for the sum of twenty five dollars to be
"accounted for in the settlement of his accounts
"The recording Secretary read a letter from
"John Cassin of Phila on subjects interesting
"to the Institute
"John Pechin presented on behalf of Daniel
"Minoch of Radnor the saw of a saw fish and
"a large sea plant to which is attached a sea shell
"John Pechin contributed an ancient British
"coin Cubic crystals of Iron Pyrites from near the
"City of Lancaster also hemetic iron oar
"John Evans contributed specimens of precious
"serpentine
"Dr G. Smith contributed specimens of pre-
"cious serpentine associated with magnesia

"Dec 3rd 1836
"Agreeable to adjournment the Institute met
"Voted that Wm Martin of Chester and James
"Houghton of Aston be members upon their com-
"plying with the further requisitions of the Consti-
"-tution
"Also voted that James Sill Jr of Edgmont
"be a member and being present complied with
"the further requisitions
"The committee appointed Oct 1st 1836 to
"confer with the secretary of the Delaware County
"Insurance Company to ascertain the sum
"necessary to insure the buildings of the Institute
"report that the insurance will be one dollar per
"month during its unfinished state and that
"2½ per cent will be required for a perpetual insu-
"rance after the building is completed
"A H. Parker presented in the name and on
"behalf of the Hon G. G. Leiper the skin of a species
"of the Boa from South America also the saw
"of a saw fish
"Dr G. Smith presented on behalf of our cor-
"respondent C B. Trego Esq of Philadelphia about
"50 specimens of minerals many of them foreign
"and all of them correctly labelled
"Dr Smith contributed galena from Per-
"kiomen lead mines
"John Evans presented on behalf of Samuel
"Mitchell of Radnor a number of quills of the
"porcupine from the coast of Africa
"John Miller on behalf of James Ronaldson Esq
"of Philadelphia presented a report made to the
"Beet Sugar Society of Pennsylvania by
"
"
"Dr Smith on behalf of Reese Lyons of Hav-
"-verford presented a specimen of Maderapore also
"on behalf of James Binny of Philadelphia an ancient
"copper coin
"M Painter contributed some implements of
"the aboriginal Indians found in this neighborhood

324
↓ Dr. Benjamin Mott Underhill
in centre

Dr. Linnaeus Fussell
in centre
→



THE GRAVES OF TWO SECRETARIES
Providence Friends' Meeting
Nether Providence Township Penna.

BUY
CHESTER COKE
NOW

Film of
official picture

Two Secretaries' Graves
in
Providence Friends' Meeting Ground
Nether Providence

10-10-1931

JOHN MILLER

John Miller
H

12-2-22

JOHN EDGAR THOMSON

"Jan. 7th 1837

"Met agreeable to adjournment a quorum/present the president in the chair

"The minutes of last meeting read and approved

"M. Painter offered the following resolution which
"was adopted

"Resolved that a committee be appointed to invite

"suitable persons to deliver lectures in Delaware

"County on such subjects as may be interesting and

"instructive to our citizens generally and that they

"give public notice of the time and place where

"such lectures will be held delivered

"Whereupon M Painter W Hibberd and J

"Howard were appointed

"On motion of J. Howard

"Resolved. That a committee be appointed to

"assist the Managers in arranging the plants that

"have been or may be presented to the Institute to-

"wards forming a County Herbarium.

"When J. Howard Dr C Ash and Dr G Smith

"were appointed

"On motion

"Ordered That the president draw his draft

"on the treasurer in favour of Thomas Reese for

"one hundred dollars for mason work and also

"for the further sum of two dollars for lumber

"to be accounted for in the settlement of his accounts

"On motion of J. Howard

"Ordered that the Managers cause the case for

"ornithological specimens now at the house of

"A. H. Parker to be removed to the house of George

"Cummins in U Providence

"Walter Hibberd contributed 15 specimens of

"minerals mostly from Middletown 5 copper coins

"together with a number of Indian darts

"W Hibberd presented on behalf of Pratt Roberts

"of Chester County a stalactite from the Mammoth

"Cave of Kentucky

"James Howard contributed a specimen

"prepared by him of the Falco Lagopus or Marsh

"Hawk

"John Evans presented on behalf of Samuel

"Mitchell of Radnor the seed of a leguminous

"plant from the coast of Africa

"The following committee was appointed to

"ascertain what the artificial eyes for ornitho-

"logical specimens will cost and if in their opinion

"thought advisable to procure same for the use of the

"Institute viz J. Howard & Dr G. Smith

"Resolved that the adjourned meetings of the

"Institute be held on the first Saturday of each

"succeeding month until otherwise ordered

"The following committee was appointed to

"confer with Collingwood Grubb on the subject

"of purchasing his collection of ornithological

"specimens and report to next meeting viz

James Howard & W B. Hilditch

"Feb 4th 1837
 "The Institute met a quorum in attendance
 "The presidence in the chair & minutes read & approved
 "By a vote of December 3rd 1836 William Martin Esq
 "of Chester was elected a member but he not being
 "able to attend our meetings at this time directed the
 "Rev. A. H. Parker to subscribe his name on his behalf
 "When on motion
 "The privilege was granted to A H Parker to
 "subscribe the name of William Martin to the
 "constitution as a member of the institute the
 "initiation fee being now paid to the treasurer
 "The building committee reported that they
 "had procured a corporate seal as directed Sept
 "3rd 1836 which cost three dollars
 "when on motion
 "~~When on motion~~ The said seal was adopted
 "as the corporate seal of
 "the Delaware County
 "Institute of Science and
 "Ordered that the recording
 "secretary make an impres-
 "-sion of it on the same
 "page near where this min-
 "ute is recorded
 "Ordered that the President draw his draft on
 "the treasurer in favour of J. M.G. Lescure for one
 "Dollar for advertising in the Upland Union proposals
 "to mechanics for erecting the buildings of the Institute
 "W Hibberd contributed a piece of tabular
 "quartz from Virginia
 "Dr G. Smith contributed a singular animal
 "production of the sea together with a large number
 "of preserved plants of our county
 "James Howard contributed a large collec-
 "tion of very handsomely preserved plants
 "M Painter contributed a few preserved specimens
 "of our native plants
 "Br. W. Williamson presented on behalf of/Dr. Benjamin Rush Irwin a
 "number of Indian
 "darts and axe
 "The committee appointed at last meeting to
 "confer with Collingwood Grubb inform they are not
 "now ready to make report they are continued



SEAL OF THE INSTITUTE
Adopted Feb. 4th, 1837



Ledger Photo

An aged sewing machine is one of the interesting exhibits at the Delaware County Institute of Science in Media. C. M. Broomall is pictured "at the wheel"

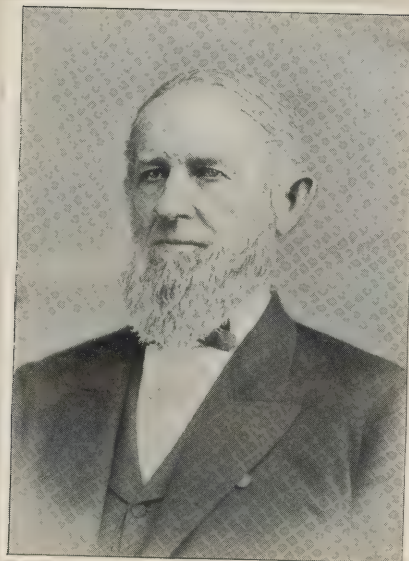
MARCH 17, 1931

35
"March 4th 1837 The Institute met a quorum
"in attendance his honour the president in the
"chair
"The minutes of last meeting read & approved
"On motion
"The Hon. Peter Hill Engle late of this co-
"nity now of Wisconsin territory was elected a correspondent
"and on motion
"Elliott Cresson of Philadelphia was also elected
"a correspondent
"Ordered that the corresponding secretary inform
"the above named gentlemen of their election as
"correspondents
"Voted that Richard S. Smith of Rockdale
"be admitted a member upon his complying with
"the further requisitions of the constitution
"M. Painter read extracts from a letter from/Jacob Painter on the
"avalanch or slide into
"the
"town of Troy N. York on the 1st 1837
"and the Secretary is directed to have a copy of
"it filed amongst our papers
"Resolved That when voting for members of
"the Institute the ballot boxes shall be placed in
"a situation so that the members shall not be
"able to observe how individuals vote for new
"members but that in electing correspondents they
"shall be voted for viva voce
"The president is requested to prepare a paper
"describing the appearance and other circumstances
"of the aurora that attracted so much attention on the 26th of
"January last and
"submit it to a subsequent meeting
"The Building Committee reported progress
"Also The committee appointed to assist
"in arranging our herbarium report progress
"On motion of M Painter
"Resolved. That the Thanks of of the Delaware
"County Institute of Science are due and that
"They be presented to James Ronaldson Esq of
"Phila for his very liberal donation of two
"lots of ground containing nearly two acres
"situated near the rose tree hotel in U Providence
"as well as for his continued attention in
"promoting the prosperity of the Society in many
"other respects
"And ordered that the corresponding sec-
"retary transmit to Mr Ronaldson a copy of
"the above resolution
"On motion of A. H. Parker
"Resolved that the corresponding Secretary be

"requested to confer with Jonathan Worrall Esq
"and obtain from him all the information relating
"to the early history of our county in his possession
"and the Society flatters itself that Mr Worrall
"will willingly communicate such information.
"A H Parker presented on behalf of Jonathan
"Worrall Esq of Ridley a number of specimens of
"Cyanite Tourmaline Indian darts &c from near
"that place
"The President presented on behalf of Peter
"Hill Engle of Wisconsin territory specimens of
"galena taken from Duberquis mines in that
"territory on the W. branch of the Mississippi
"lat. 42° 20' N containing 80 per cent of lead also
"specimens of stalactites taken from a cave at
"Duberquis mines in the same territory
"John Miller on behalf of Samuel Jones
"of Marple presented specimens of Berryl and
"a number of Indian relics
"On motion of J Miller
"Resolved that the building committee be
"and they are hereby instructed to procure
"benches for the lecture room
"Ordered that the president draw his draft
"in favour of Thomas Reese for thirty dollars to
"be accounted for in the settlement of his accounts
"M Painter read a paper on the before/the Institute on the prospects
"prosperity of the
"Institute and which was directed to be published
"The committee on agriculture produced
"the seeds of the Trifolium perparceum a new
"species of clover forwarded to the Institute from
"J. Ronaldson Esq of Phila in the spring of 1836
"and which was referred to their attention and
"the seeds in now distributed in small portion
"amongst the members now in attendance
"They also produced the seed of a new
"species of oats cultivated under their notice
"and which was distributed in small parcels
"to the members in attendance as well as some
"flower seeds

Air Chamber of the Original
JOHN CASSIN PUMP
used at the Media Water Works
in Middletown Township, Delaware Co
Penna.
Photo taken on the grounds of the Media
Water Works, near Baltimore Pike, on
November 1, 1931.

see original
Pattern of Org Model
of this pump presented
3/12/1933



SKETCHLEY MORTON
of Ridley Township

*Sketchley Morton
1871*

"April 1st 1837 - The Institute met a
"quorum in attendance the president in the chair
"The minutes of last meeting read corrected
"and approved
"By a vote of Oct 1st 1836 Sketchley Morton
"of Ridley was elected a member and he now
"being present complied with the further requisitions
"of the Constitution
"The president agreeable to a request of last
"meeting submitted a paper describing a paper
"the Aurora on the 26th of Jan last in which he
"also alludes to the modern theory of such appearances
"which is directed to be filed amongst our papers
"Calcareous breccia and hornblend rock
"were received from Collingwood Grubb
"John Evans contributed specimens of furi-
"-ginous oxide of chrome
"The president contributed a copy of the annual
"report for the past year made by the superintendent
"of common schools of Pennsylvania
"M. Painter read a paper on the possible ad-
"vancement of some of the arts which was directed
"to be published

Sketchley Morton was agent at Morton Station prior to 1876. Born 10-12-1810-Died 2-9-1878. Married in 1834, his father, John S. Morton, a grandson of John Morton, the signer, built for him a mansion, now standing, gable end to Morton avenue, Morton, Pa. In 1851, Sketchley Morton, who had been his father's farmer, purchased property, south of Stone creek. He removed after a generation to the house by the railroad. A son of Sketchley, named John, was at one time president of the Market Street Railway Company. He had a saw-mill along Stone creek. He was also (Sketchley Morton) postmaster at Morton in 1867 to 1876.

"May 6th 1837
"At a stated meeting of the Delaware County
"Institute of Science a quorum were in attendance
"and the President presiding
"The minutes of last meeting read & approved
"Voted that Philip S. Bishop of Edgmont be a
"member upon his complying with the further
"requisitions of the Constitution
"The corresponding Secretary read a letter Circular
"from James Ronqldson Esq of Philad informing that
"the seed he intended importing from Scotland for
"the use of agriculturalists had not yet arived &
"fear was entertained that the Brig in which they
"were shipped was lost
"Also a letter from Elliott Cresson in reply
"to one announcing to him his election as our cor-
"respondent in which he expressed his willingness
"to procure specimens from the coast of Africa to increase
"our museum and the promotion of science.
"He also read a letter from Hon. Peter Hill
"Engle of Wisconsin territory in reply to one announcing
"to him his election as correspondent of the Institute
"On Motion of A H Parker
"Gerrard Ralston of Phila was elected a corres-
"-pondent
"And ordered that the corresponding Secretary
"inform the above gentlemen of his election
"The Managers made report of the progress of
"the Institute for the past year in which they state it
"is in a flourishing condition the report is accepted &
"directed to be published in pamphlet form
"On motion of A H Parker
"Resolved That a committee be appointed to
"procure foreign specimens of natural history to be placed
"in our Museum
"Whereupon A H Parker Wm Martin J. K. Zelin
"and E. Darlington were appointed
"Resolved. That the corresponding secretary be

"instructed to invite Proff Robert Patterson, President
 "of the Mint of the U States to deliver an introductory
 "lecture before the Institute at some subsequent
 "period when the lecture room shall be completed
 "On motion
 "Proceeded to the election of officers for the ensuing
 "year and appointed Joel Sharpless & Sketchley Morton
 "tellers who after due time reported the following
 "members as duly elected for the respective offices

President, George Smith, M.D.; Vice-Presidents, A. H. Parker
 and C. Ash, M.D.; Corressponding Secretary, A. H. Parker; Recording
 Secretary, Minshall Painter; Treasurer, John Miller; Managers, John Evans,
 James Howard, Joel Sharpless, Minshall Painter, and John Miller.

"A H Parker desiring to be excused from serving
 "as one of the vice presidents Wm Martin is appointed
 "in his place
 "And John Miller and Minshall Painter declining
 "to serve as Managers Sketchley Morton and Walter/Williamson MD are are
 " appointed in their place
 "The president is directed to draw a draft
 "on the treasurer in favour of Hiram Pyle for one
 "hundred dollars to be accounted for in the settlement
 "of his accounts
 "Also one in favour of Lindly and Pechin for
 "fifty dollars to be accounted for in the settlement of
 "their accounts
 "J. Howard offered the following
 "Resolved that the adjourned meetings of the

PATTERSON, M.D., ROBERT MASKELL

Sixth Director of the Mint, Philadelphia, Pa.

He was the son of Robert Patterson, LL.D., (the fourth director of the same
 Mint,) and received his appointment from "President Andrew Jackson, May 26,
 1835. His term of office was marked by an entire revolution in the coin-
 age, and the ready acceptance of those improvements which followed so rapid-
 ly upon the introduction of steam. Dr. Patterson possessed the advantage of
 foreign travel; and having become familiar with the discoveries which had
 been adopted in the French Mint, he inaugurated and perfected them, also in-
 troducing improvements, ~~which are still (1835) in use, in the machinery of~~
~~the mint.~~ His portrait is in the cabinet. His father was "appointed to the
 office of director by President Jefferson January 17, 1806. He was a native
 of Ireland, distinguished for his acquirements and ability. He held the
 office of Director for an exceptionally long term of service. His por-
 trait which hangs in the Cabinet, is a copy of a fine original by Rembrandt
 Peale. The fifth director, who came between the father and son, was
 Samuel Moore M.D., who was appointed by President James Monroe, July 15,
 1824. He was a native of New Jersey, and son of a distinguished Revolutionary
 officer. He was one of the first graduates of Penn University, in 1791, and
 was afterwards a tutor in that institution. The Seventh Director was George
 N. Eckert, M.D., being appointed by President Fillmore, July 1, 1851, and
 after serving 2 years resigned.

" Institute to be held on the first Saturday of each
 "month until otherwise ordered
 "Sketchley Morton moved that the first Saturday
 "be erased and first Thursday be inserted
 "And on the question shall the resolution be as
 "amended it was upon a division decided in the
 "negative
 "The question recurring on the original resolution
 "shall the resolution pass it was upon a division
 "decided in the affirmative
 "Dr W. Williamson presented on behalf of Dr B.
 "R. Irwin of Chester Co radiated quartz from diamond
 "rock in Chester Co with other minerals
 "John Evans presented on behalf of Wm Sloan
 "of Radnor a specimen of Hematitic iron ore from
 "near the Gulf also a Tomahawk said to be used in
 "Braddocks defeat
 "John Sill Jr presented on behalf of Richard Sill
 "of Edgmont a specimen of Petroleum from Morgan
 "County Ohio
 "Sketchley Morton presented a specimen of petrified
 "Wood from Elizabeth town Lancaster Co. Pa
 "Samuel Lewis contributed a number of Indian
 "relics also German and other coins
 "M Painter presented on behalf of Jerard
 "Darlington of Middletown an Indian relic found
 "in that place

"June 3rd 1837-At an adjourned meeting of
 "the Institute a quorum was in attendance the
 "President in the chair
 "The minutes of last meeting read and after/amendment were approved
 "Voted That Jonathan Richards of Darby
 "be admitted a member and he being present
 "complied with the further requisitions of the Con-
 "stitution
 "On motion of J. Howard
 "Voted that Dr Wm Darlington of W.
 "Chester Pa. be a correspondent

"The Corresponding Secretary is directed to
 "inform him of his election
 "The Standing Committee on Agriculture &
 "Horticulture made report which is directed to
 "be printed in the papers of the county
 "On motion
 "The members of the Institute are requested
 "to collect all specimens of all the plants found
 "growing in this county and not noticed as growing
 "in Chester Co in Darlington's Flora Cestrica &
 "produce them to the Institute
 "On motion
 "The building committee are directed to
 "have the lot belonging to the Institute fenced and
 "any other necessary improvements made thereon
 "James Howard presented on behalf of
 "Joseph E. Anderson of New town 2 copper and
 "one silver coin
 "J. Howard also contributed one silver coin
 "David Cummins presented a number of specimens
 "of Corundum from Middletown
 "Thomas Pratt presented a number of specimens
 "of Chrystalized Mica from Middletown
 "The president presented on behalf of Saml.
 "Lungren of U Darby specimens of Chrystalized
 "quartz from the same place
 "He also presented on behalf of George Davis
 "of U. Darby a specimen of ferruginous oxide of
 "Chrome from Little Britain in Lancaster Co also
 "bog iron oar from Blockly Phila Co.
 "The following Standing Committees were
 "now appointed for the ensuing year
 "On Agriculture and Horticulture
 "John Evans
 "Dr W. Williamson
 "M. Painter
 "Natural History
 "John Miller
 "Wm B. Hilditch
 "James Howard
 "Joel Sharpless
 "On Medical Subjects
 "Dr W. Williamson
 "Dr John Leedom
 "Dr C. Ash
 "Samuel Lewis
 "On Chemistry
 "A H Parker
 "Joel Sharpless
 "Jonathan Richards
 "Dr G. Smith

"On History
 "J. K Zelin
 "John Pechin
 "Levis Miller
 "James Sill Jnr.
 "On Arts
 "W. B. Hilditch
 "J. Howard
 "S. Morton
 "Wm Martin

"The president is directed to draw a draft
"on the treasurer in favour of Hiram Pyle
"for thirty dollars to be accounted for in the settlement
"of his accounts
"The building committee are instructed
"to report a draft of a plan for laying out the
"grounds belonging to the Institute that when the
"proper season arrives trees &c may be planted thereon
"agreeable to an approved order

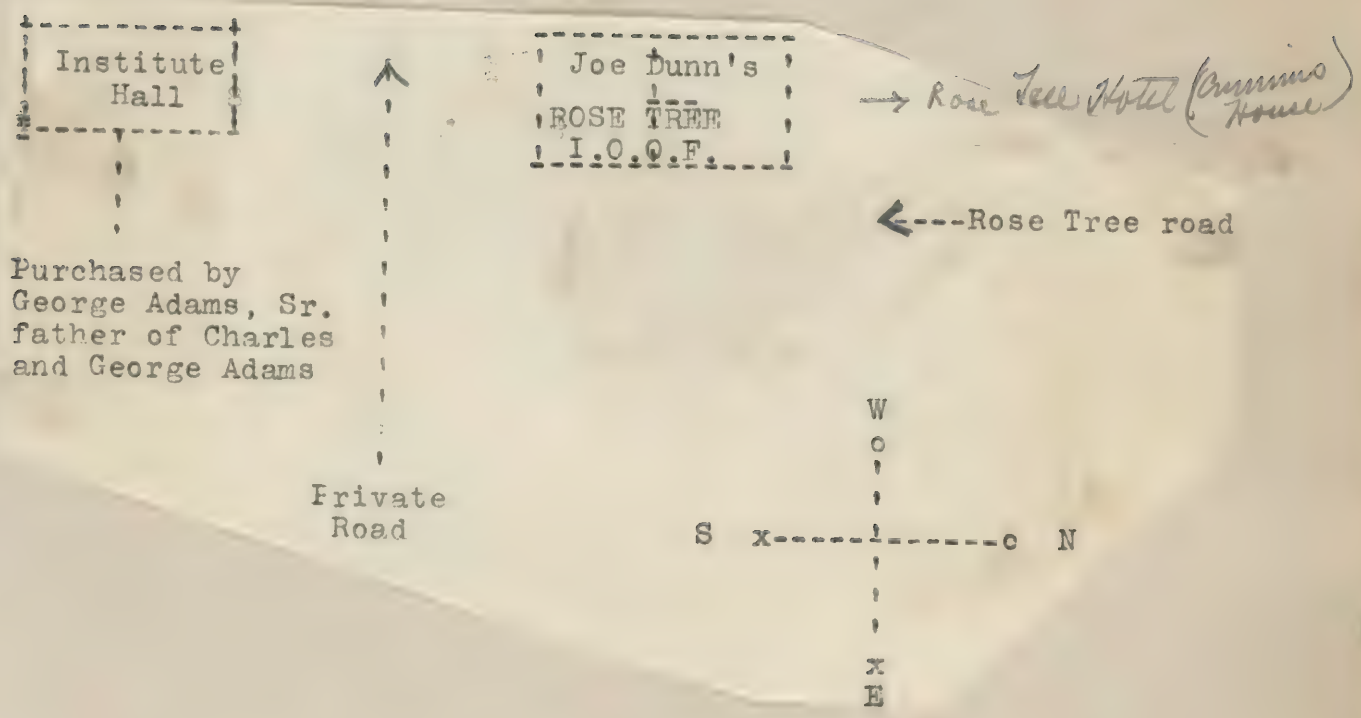
"July 1st 1837 agreeable to adjournment the
"Institute met a quorum in attendance The president
"presiding
"The minutes of last meeting read & approved
"On motion of Ed. Darlington Esq.
"Voted that John Larkin Jur of be
"member and he being present complied with the
"further requisitions of the Constitution
"Wm Martin offered the following which was ad-
"-dopted

"Whereas the stone of the Delaware County
"quarries heretofore used by the government of the
"U. States for erecting the Delaware Breakwater has
"been rejected by the government agents as not being
"of a kind or character sufficiently compact for
"the work and inasmuch as these stone have here-
"tofore been approved of by the officers charged
"with the superintendence of the breakwater and
"as the present decision will greatly affect the
"interest of those connected in and with the quarries
"near the river Delaware-Therefore
"Resolved That Dr George Smith Dr C Ash, E
"Darlington Esq M Painter J. Evans and A H Parker
"be a committee to enquire into the kind quality
"and properties of the stone of the quarries afforesaid
"and make report thereof to the Institute

"August 5th 1837-The Institute met a quorum
"in attendance. The president presiding
~~"The minutes of last read and approved~~
"On motion of Dr W. Williamson
"Voted that the Rev. J. M. Bear of Marple be
"a member upon his complying with the further
"requisitions
"On motion of A H Parker
"Voted that Proff. Robert Patterson of Philadelphia
"be a correspondent
"Also on motion of M Painter
"Voted that Walter Hibberd of West Chester be
"a correspondent
"The corresponding secretary is directed to
"inform the above correspondents of their election
"The commttee appointed at last meeting
"to examine and report concerning the stone of
"the quarries used by the general government in &
"constructing the Delaware break water made report
"Ordered that the report be published in the papers
"of this county and the original placed on file
"A Bill was presented for plastering the
"Building of the Institute and the president was
"directed to draw a draft on the treasurer in
"favour of Wm Afflick and Abm J Paschall
"the contractors for 70 dollars to be accounted for
"in the settlement of their accounts
"The president is directed to draw a draft on
"favour of Hiram Pyle for 20 dollars also another
"draft for 15 dollars which with former drafts is
"full payment for carpenter work done upon
"contract
"The building committee reported that the
"building will be so far completed in about a
"month as to admit of its being used for the
"purposes for which it was originally intended upon
"which it was
"Resolved-That the Hall of the Institute be
"opened for public purposes on the first Thursday of
"September next at 2 oclock
"And the corresponding secretary is instructed
"to invite Proff. Robert M. Patterson of Phila to deliver
"a public address in the Hall at that time and
"the Rec Secretary to give public notice thereof

"A H Parker presented on behalf of our cor-
 "-respondent Elliott Cresson a work entitled Yar-
 "-adee or a plea for Africa
 "Also from Jon n Worrall of Ridley a (supposed
 "Indian) relic which was ploughed up in his field
 "it being a small horne with carving upon it
 "John Evans exhibited the fruit of the Cydonia/Japonica it being the produce
 "of his garden
 "John Pechin exhibited the ripe fruit of the
 "fig tree which was raised in this county
 "Samuel Lewis presented a Silaceous mineral
 "from the neighborhood of Burlington N Jersey
 "The chairman of the committee appointed at
 "last meeting to examine the stone sent to the
 "Delaware break water presented specimens of the
 "stone from all the quarries they visited
 "150 copies of the reports of the managers being now
 "produced it was directed that they be distributed
 "amongst the members and that the corresponding
 "secretary furnish each of our correspondents with a copy

"September 2nd 1837-The Institute met a quorum
 "present
 "The minutes of last meeting read corrected and
 "approved
 "M Painter offered a resolution authorizing the
 "admission of females as Honerary members which
 "is ordered to lay upon the table
 "Joel Sharpless contributed the following minerals
 "bog iron oar Sunstone Sulphate of Barytes blue quartz
 "Porphory, Tourmaline, argilacious oxide of iron and
 "Madrepore
 "George Cummins presented on behalf of John
 "Higginbottom of Providence part of the Jaw bone of an
 "alligator also a sea shell
 "James Howard presented on behalf of Joseph
 "E Anderson of Newtown, coal lately discovered near
 "the Valley forge Chester County
 "Sketchley Worton presented on behalf of Dr Cook
 "of West Chester Chrystalized magnesia from near
 "that place
 "Dr George Smith contributed 17 onthological (?)
 "specimens amongst which are the following



LOCATION OF THE FIRST PERMANENT HOME OF THE
DELAWARE COUNTY INSTITUTE OF SCIENCE

South of the Rose Tree Hotel, in Upper
Providence Township, Del. Co., Penna.



THE FIRST PERMANENT HOME
DELAWARE COUNTY INSTITUTE OF SCIENCE
Upper Providence Township
Delaware County, Penna.

Delaware County Institute Building
in Upper Providence Township, Del. Co., Pa.
as it looked in February, 1931

For above

"also the breasts of 4 eastern birds
"He also presented on behalf of Hannah Lowns
"of Springfield a beautiful specimen of chrystalized
"limpid quartz
"He also ~~centr~~ presented on behalf of Luke
"Cassin Esq a number of articles cut in imitation
"of baskets from the seed of the almond peach plumb
"and Cherry which he done in the 73rd year of his age.
"Also from Wm Worrall of Providence a
"species of Lizard also species of snakes preserved in spirits
"Proff Robert M. Patterson having agreed to deliver
"an address on the 7th Inst in the hall of the Institute
"public notice thereof being given--Adjourned to meet
"again at that time

"Sept 7th 1837. Persuant to adjournment the
"Institute convened immediately succeeding the
"address delivered by Proff. Patterson
"When A H Parker offered the following resolutions
"which were unanimously adopted
"Resolved that the thanks of the Delaware County
"Institute of Science be presented to Dr Robert M Patterson
"for his able and appropriate address delivered on the
"occasion of opening the new hall of the Institute
"and that a copy thereof be requested for publication
"Resolved that A H Parker and John Miller be
"a committee to carry into effect the above resolutions

"Oct 7th 1837--The Institute met a quorum
"present--The president in the chair
"The minutes of last meeting read & Approved
"Voted that Dr Isaiah Matlack of Chester Co
"be a correspondent
"The corresponding secretary is directed to
"inform him of his election
"Resolved That until further order is
"taken upon the subject 'The hall of the Institute'
"shall only be appropriated to lectures & addresses
"on literary & scientific subjects

"Resolved That Itinerant lecturers can have
"the use of the Hall in the order of their appli-
"-cation for the same by paying three dollars for
"each lecture or by contributing one fifth of the
"clear proceeds of their course of lectures to the Institute
"The President laid before the Institute an
"application made by Mr Schooly for the Hall
"of the Institute in which he wishes to deliver a
"course of lectures on Meteorology--The request was
"granted he agreeing to pay the terms of admission
"He also produced a copy of a report to
"the U States chief Engineer made by a committee
"of examination appointed by that department to
"investigate the quality of the stone used in the
"Delaware break water. In which the committee
"notices the reports of several scientific bodies on
"the subject and concludes with recommending
"the use of Pennsylvania stone in the futher
"prosecution of that work--Which report is
"highly gratifying to the Institute inasmuch as
"it is agreeable to our views expressed by
"adopting the report of our committee on the
"subject made August 5th 1837
"John Evans contributed a maps of brown
"hematite from near Columbia
"M. Painter presented on behalf of Jacob Painter
"upwards of 50 specimens (minerological and
"geological) from N York Mass. and Vermont
"Also on behalf of Walker Y. Hoops a
"small copper coin from Nova Scotia
"Also on behalf of Samuel Jones a very
"large chrystal of black schorle
"The President presented on behalf of Robert
"E. Hannum Esq a small copper coin
"John Pechin exhibited the fruit of the
"annona triloba found on the Susquehanna
"also the fruit of a new variety of Tomato

"Nov 4th 1837 At a Stated Meeting of the Institute

"a quorum present. the President in the chair
"The minutes of last meeting read and after
"amendments approved
"Voted that John D. Peirce of Chester and
"Stephen D Hunter of Newtown be members
"upon their complying with the further requisitions
"Voted that John Cassin and Josiah Holbrook
"both of Philadelphia be correspondents
"The corresponding secretary is directed to
"inform the above gentlemen of their election
"The committee appointed to request of
"Dr Robert W. Patterson a copy of his address de-
"livered on the occasion of first opening the Hall
"of the Institute on Sept 7th
"report that he declines furnishing a copy of
"his address for reasons advanced one of which is
"the hasty manner in which it was written
"The corresponding secretary read a letter
"from Dr Wm Darlington in reply to one announ-
"cing to him his election of correspondent of the In-
"stitute with which he also forwarded a copy of
"his Flora cestricea which he presented to the
"Institute
"M Painter called for the consideration
"of a resolution of Aug 5th 1837 on admitting of
"females as honerary members which after some
"progress made was postponed for the present
"On motion
"Resolved that the Institute require an essay
"report or lecture from each standing committee
"once in six months in rotation
"Then
"Resolved. That the chairman of the standing
"committee on agriculture and horticulture be
"required to produce an essay or lecture con-
"cerning those subjects at next meeting
"Resolved that the standing committee
"on N. History be increased to nine members
"when the following gentlemen were appointed
"in addition to those already appointed viz
"Dr C Ash John Hops Dr John Leedom Jon.
"Richards and Sketchly Morton

"Josiah Holbrook being present it was
"Resolved that he be at liberty to express his
"views before the Institute on such literary and
"scientific subjects as he may think best.
"Upon which he favoured us with remarks
"upon several interesting subjects and particularly
"upon the great advantage of admitting females
"to participate in the pursuit of literary and sci-
"entific societies. He also took the occasion to
"exhibit before the Institute many juvenile

"productions of a scientific character and showing
"the great advancement youth are capable of making
"when proper encouragement is given them. He
"also presented a number of foreign and interesting
"minerals and called attention to the advantage
"of a universal exchange with scientific societies
"and individuals
"He also laid before the Institute a circular
"from a number of public spirited individuals
"On the subject of more active exertions in the
"cause of education

"Which was referred to a committee consisting
"of A H Parker Dr J. Leedom and Levis Miller
"A H Parker presented on behalf of Elliott
"Cresson of Philadelphia a copy of 'A discourse
"before the Young Mens Collenization Society
"of Pennsylvania by J. R. Tyson.
"James Howard presented on behalf of
"David Cummins of Middletown a large
"specimen of black mica from that place
"M Painter presented on behalf of Walker
"Y Hoops of Middletown a specimen of Septaris (?)
"from the tunnel on Schuylkill in Chester Co
"John Miller informed that J. P Espy
"had consented to deliver a-~~course~~ lecture before
"the Institute on the subject of Meteorology on
"the 11th Inst at 3 oclock P M and public notice
"was given thereof

"Decr 2nd 1837--The Institute convened a
"quorum present The president in the chair
"The minutes of the last meeting read and
"after some corrections approved
"Voted that Richard T. Worrall of N Prov-
"-idence be a member upon his complying with
"with the further requisitions
"John D Peirce who was elected at last
"meeting being present signed the constitution
"Agreeable to a resolution of last meeting
"M Painter on behalf of the standing committee
"on agriculture and horticulture read an
"essay on manures which was directed to be
"filed
"The standing committee on Natural history
"had notice that a report would be expected from
"them at next meeting
"Agreeable to information furnished at
"last meeting J. P. Espy delivered a lecture
"in the Hall of the Institute on Meteorology
"to the great satisfaction of the members and
"audience generally

"Dr Ash announced the reception of a
"box of minerals from Darby Lyceum
"George Cummins presented on behalf
"of James Binny of Phila shell rock from the
"St. Marys River Maryland
"Also on behalf of J. Ronaldson Esq of Phila
"a number of shells from the same place
"John Evans contributed three specimens of
"Marble
"M Painter contributed a number of specimens
"of Beryl from Clydes quarry in Chester township
"John Evans contributed presented on behalf
"of Wm Lungren of U Darby minerals from that place
"John Miller presented on behalf of Edward
"Darlington a number of Maps & report published
"by order of Congress
"Also on behalf of Miss S. M. Morris of
"Germantown 8 specimens of alga handsomely preserved
"The President informed he had finished
"the arrangement of the county herbarium as far
"as specimens were collected and that he had
"added 70 specimens of his own collection of the
"past season to it he also informed he had dis-
"-covered we had a number of plants in this
"county that were not enumerated in Darlington's
"Flora cestricea.

JOHN CASSIN

See Plate 11
3

CHAPTER III.

Minutes 1838-1839.

"Jany 6th 1838--The Institute convened a
" quorum present the President in the chair
"The minutes of last meeting read & approved
"Voted that Joseph Fairlamb of N Providence
"be a member upon his complying with the re-
"-quisitions of the constitution
"Also voted that John Howard Lewis be a
"member upon his complying with the further re-
"-quisitions
"On motion of A H Parker
"Voted that Wm C McClure of Mexico be a
"correspondent
"And the corresponding secretary is directed to inform
"him of his election
"Richard T. Worrall who was elected a
"member at last meeting and Stephen D Hunter
"who was elected a member Nov 4th 1837 being
"present complied with the further requisitions of
"the Constitution
"The committee on Natural history not being
"prepared to offer a report are directed to be prepared
"at next meeting
"And the committee on Medical Subjects
"are also directed to report
"The corresponding secretary read a letter
"from Gerrard Ralston in reply to our announ-
"-cing to him his election of correspondent accom-
"-panied with a check for fifty dollars in favour
"of the Institute
"And on motion of A H Parker
"Resolved that a committee be appointed to prepare
"an herbarium to be forwarded to England by Mr
"Ralston and to attend to other matters in furtherance
"of the object of the Institute

"When the following members were appointed said
 "committee viz A H Parker J Howard J Miller &
 M Painter
 "John Miller presented on behalf of our cor-
 "-respondent G. Walker of Susquehanna Co. an ear
 "of Mexican corn
 "The President presented on behalf of our
 "correspondent J. Ronaldson a specimen of the wood
 "of the Alianthus Glandulara
 "M Painter contributed a quantity of the
 "Colonial Paper Money of N York New Jersey Penna
 "Delaware and Maryland & the old Continental Money
 "The committee appointed Nov 4th 1837 on
 "the subject of a circular concerning Education report
 "That they are of the opinion no further steps are
 "necessary to be taken by the Institute which report
 "is accepted and the committee dismissed
 "On motion of J Miller
 "Resolved that A H Parker be exonerated from
 "payment of his last instalment because of the expense
 "he is subject to in consequence of being Cor. Secretary

(8)
 "Feb. 3rd 1837--The Institute convened a
 "quorum present--The president in the chair
 "Voted that Dr Francis Boott of Gower
 "Street Russell Square London be a correspondent
 "The corresponding Secretary is directed to
 "inform him of his election
 "Also voted that John K. Kane Esq of Philadelphia
 "be a correspondent the corresponding Secretary is
 "directed to give him notice thereof
 "M Painter read a letter from our correspondent
 "James Ronaldson Esq after which he offered a
 "resolution to elect him a patron of the Institute
 "Which resolution was directed to lie upon the
 "table
 "The President informed he had lately
 "received a letter from his friend Benjamin Matthias
 "now travelling in England and Ireland a part of
 "which he read giving an account of the situation
 "of Education in those countries. He has discovered
 "that at least one half of the children there do not
 "attend school not even Sunday Schools-The great
 "opposition to establishing a more general and



"Old Scroggy"

the home of Louis Little, located on the Creek road, in Upper Providence township, Delaware County, Penna.

This at one time was the property of Hon. John M. Broomall, the second President of the Delaware County Institute of Science. Photo taken November 1, 1931, from the banks of Ridley Creek. and here Carolus M.

Broomall, was born.

Film of above
Photo

A former home
of John M. Broomall Esq.
2d President of Institute
Now (1939) Residence of Louis Little
Upper Providence

526

FIRST PATRON

JAMES RONALDSON, Esq.
of Philadelphia, Pa.

"efficient system he found to proceed from the
"established church. He attended a convention
"of the friends of a better system of Education held
"at Manchester in which he was allowed to
"address the meeting on the subject of Education in
"America and while giving an account of its sit-
"uation in the N England States was listened to
"with the greatest attention
"The committee appointed at last meeting
"to prepare specimens of plants and minerals to
"be sent by our correspondent Gerrard Ralston to England
"for the purpose of Exchange report that they prepared
"356 plants and some minerals and sent them agreeable
"to direction
"The Standing committee on Natural History
"not yet being prepared to report are again continued
"to report at next meeting
"The Standing committee on Medical Subjects
"not being prepared to report are requested to do so
"at next meeting
"And the standing committee on Chemistry and/Philosophy are directed to
"report at next meeting

"The building committee presented a bill from
"Afflick and Paschall for 70 dollars for plastering
"the building of the Institute
"The President is directed to draw a draft on
"The treasurer in their favour for that sum
"The President presented on behalf of Isaiah
"Moor of U Providence a specimen of precious
"serpentine from Bucks Co
"M Painter presented on behalf of John Rutter Esq
"of West Chester a specimen of iceland spar

"March 3rd 1838--The Institute convened
"a quorum present--The President in the chair
"The minutes of last meeting read corrected
"and approved
"John Howard Lewis who was elected a
"member Jan 6th 1838 being present complied with
"the further requisitions
"Joel Sharple's on behalf of the Standing
"Committee on Chemistry &c made report on the
"

"early rise history and progress of that science
"The Standing Committee on N History &
"Medical Subjects not yet being prepared are
"directed to report to next meeting

"On motion

"The resolution offered at last meeting

"in favour of electing J. Ronaldson a patron of

"the Institute was now considered and with a/preamble adopted as follows

"Whereas our correspondent James Ron-

"aldson Esq of Philadelphia is advantageously known

"to community as an ardent friend to the pro-

"motion of the arts and sciences and has since

"the organization of the Delaware County Institute

"of Science been active in giving encouragement

"and aid towards establishing and rendering it

"useful. And it being impracticable agreeable to

"our constitution for him to become a member

"yet it is desirable he should be associated with

"us in the relation of Patron of the Institute

"We do therefore Resol

"Resolve That James Ronaldson Esq

"of Philadelphia be and he is hereby elected

"a Patron of the Delaware County Institute

"of Science

"The R. Secretary is directed to furnish

"him with a certified copy of the above pre-

"amble and resolution

"On motion of J. Miller

"Resolved That our treasurer be authorized

"to borrow the sum of two hundred dollard and

"and pledge the property of the Institute to secure

"the payment of the same

"The President & Secretary presented a pair of

"E. India cuckoos prepared by McGuigen of the

"Philadelphia Museum

"A peacock was presented by Levis Lewis

"and prepared by J. Cassin and J. Howard

"Thomas Pratt presented a number of minerals

"from Middletown

"Edward Darlington presented a copy of the

"report of the commissioners of Patents to the

"Congress of the U States

at

"Resolved That each future meeting the

"Secretary shall call the roll or name of each

"member and that those in attendance & answer

"shall be marked

"April 7th 1838. The Institute convened the President
"in the chair

"Voted that Jesse M Eyre of Chester be a member
"upon complying with the further requisitions

"The standing committee on N History Medical

"Subjects and History not having reported agreeable to
"order are directed to report to next meeting

"A H Parker moved the following be added to our
"by laws

"That when it shall be required the names of

"members shall be inserted on the minutes who shall

"vote in the affirmative and negative on any question
"motion or resolution

"And on the question shall it be adopted it was decided
"in the negative Ayes 3 Nays 5

"A H Parker offered the following resolutions

"1st Resolved. That it is the sense of this meeting

"that the Hall of the Institute is to be devoted to

"Lectures and addresses on Literary and Scientific subjects
"exclusively

"2nd Resolved. In order to carry out the objects

"for which the Institute was erected and the society

"formed. That every person applying for the use of the

"Hall to deliver a course of lectures upon any scientific
"subject shall first give an introductory lecture free to

"all persons immediately afterwards the members of the

"Institute shall convene and the question taken whether

"it is proper that the applicant shall further continue

"his lectures in the hall of the Institute and a majority

"of the members present shall decide the question

"On the question shall the first resolution pass it

"was decided in the affirmative

"The second resolution coming under consideration

"it was decided in the negative

"The treasurer informs he has negotiated the

"loan of two hundred dollars to bear an interest of 6 per

"cent which he was directed to endeavour to effect at last

"meeting and the President and Secretary are directed

"to execute the necessary writings in due form pledging

"the property of the Institute for its payment

"John D Pierce delivered a lecture before the Institute

"on the early rise and progress of the Useful Arts

"which was very interesting and which subject he proposes

"to follow up with similar lectures

"Sketchly Morton requested that leave be granted

"for the use of the hall on the 15th Inst to those cit-

"izens of the county who are desirous of forming a

"Thomsonian friendly Botanic Society

"When after an animated discussion leave was

"granted

"A H Parker requested to have his objections to
 "granting the above recorded with the minutes
 "Leave was granted him
 "S. Morton also requested the use of the Hall for the
 "above Society to hold its regular meetings in after it
 "was organized
 "The consideration of which is deferred to next
 "meeting

"A H Parker presented from Samuel Little of
 "Middletown an English coin
 "The president contributed specimens of fibrolite from
 "U Darby
 "Also on behalf of Wm W Clement 2 specimens of
 "cloth from the Sandwich Islands and marble from N
 "Jersey
 "S. Morton presented on behalf of Jacob Haws the
 "rib of a whale petrified wood and specimens of star
 "fish from Cape Henlopen
 "Also on behalf of Saml. West of Chester the sword
 "of a sword fish
 "M. Painter presented from Henry Myers the
 "2nd Geological report of the State geologist of Penna.
 "He also presented from Walker Y Hoops of
 "Middletown an incrustation found in an oyster
 "He also produced the seed of the Hordeum
 "jubatum which was raised from seed received from
 "George Miller from Rock Island in the Mississippi

"Hall of the Institute May 5th 1838
 "The Society met at the hour appointed a
 "quorum present the President in the chair
 "In the absence of the recording secretary which
 "was announced to be in consequence of the death
 "of his mother A H Parker was appointed secretary
 "pro tem
 "On motion of A H Parker
 "Adam B. Williamson of Newtown was
 "elected a member and complied so far with
 "the constitution as to pay the initiary fee. The con-
 "stitution being in the hands of the recording secretary
 "he was required to sign it at the first regular
 "Meeting
 "The Corresponding Secretary announced the
 "receipt of a letter from John K. Kane of Phila ac-
 "knowledging the honors conferred upon him by
 "being elected a corresponding member of the Del-
 "aware County Institute of Science
 "The treasurer presented a bill from A Bishop
 "for one hundred and ten dollars and fifty three
 "cents for lumber furnished

"also a bill from Y S Walter for printing nine
"dollars

"Also a bill for sundries paid by the building
"committee for \$65.75 $\frac{1}{2}$ cts

"Also an obligation of Thomas Reese for Sixty
"four dollars

"The above bills were ordered to be paid

"It was on motion

"Resolved that the report of the Managers

"be postponed until the next meeting of the

"Institute

"A specimen of sewing silk manufactured

"by Miss Sarah M Walker of Susquehanna Co

"Pa was presented by John Miller

"David Cummins presented a specimen

"of black mica and brown hematite from

"Middletown

"James Sill Jur Presented a specimen of

"pearl spar from Black rock tunnel on the Reading

"rail road

"Proceeded to the election of officers for the

"ensuing year. Whereupon Richard T. Worrall and

"and Joel Sharpless were appointed tellers

"Upon counting the votes it appeared that

"the following persons were duly elected

President, George Smith, M.D.; Vice-Presidents, C. Ash, M.D.
and Wm. Martin, Esq.; Recording Secretary, Minshall Painter; Corres-
ponding Secretary, A. H. Parker; Treasurer, John Miller; Managers,
John Evans, James Howard, Levis Miller, Joel Sharpless and
Sketchly Morton.

"On motion

"The appointment of the standing committees

"was postponed until next meeting

"On motion

"It was resolved That the regular adjour-

"-ned meetings of the Institute be held at the hall

"of the Institute on the first Saturday of every

"month

"Hall of the Institute June 2nd 1838
 "The Institute met a quorum present
 "The President in the chair
 "Voted That George Palmer of Radnor be a
 "member and he being present complied with
 "the further requisitions
 "Also
 "Voted That Arthur Howell of Edgmont be
 "a member upon his complying with the
 "further requisitions
 "The President is directed to draw a draft
 "on the treasurer in favour of Lindley & Pechin
 "for \$27.49cts it being a balance due them in
 "full on account of lumber furnished in building

"the hall of the Institute
 "The managers as directed made report & on
 "motion of M. Painter
 "They are directed to have it published in
 "the papers of the county and also have 150
 "copies of it printed for the use of the members
 "The president announced the following
 "standing committees as being appointed for
 "the ensuing year viz

"Agriculture & Horticulture

"John Evans

"Adam B. Williamson

"Minshall Painter--

"Medical Subjects

"Dr John Leedom

Dr C. Ash

"Richard T. Worrall

"Thomas Gracey--

"Arts

"John Miller

"Joel Sharpleys

"William Martin

"Sketchly Morton

"John Pechin

"John Howard Lewis--

"Natural History

"James Howard

"Joel Sharpleys

"Dr C. Ash

"John Hoops

"Dr J. Leedom

"Jonathan Richards

"John Miller

"Sketchly Morton

"George Palmer

"History

"John D. Pierce

"John K. Zelin

"John Pechin

"Levis Miller

"James Sill Jur--

"Sketchly Morton asked leave to withdraw
"a resolution offered by him April 7th 1838
"to grant leave to a society about to be formed
"to be called the Thomsonian Friendly Botanic
"Society the use of the hall of the Institute to hold
"their regular or stated meetings in
"Leave was granted and the resolution
"withdrawn

"On motion of J. D. Pierce
"Resolved That the managers publish the
"standing committee with their report
"On motion Resolved That the use of the
"Hall of the Institute be offered to the Chester &
"Delaware County Agricultural Society to hold
"their meeting in when they may incline to
"hold the same in this county
"Adam B. Williamson is appointed
"to inform the Society thereof
"On motion
"The President is appointed to attend
"to and endeavour to procure any legacies that
"may be left to the Institute

"J. Howard presented from David Green of
"Edgmont 8 foreign copper coin
"30 specimens of minerals were received from
"John Rutter Esq of West Chester
"J. Howard informed that Peter A Brown
"of Phila was willing to deliver a lecture before
"the Institute on the subject of the steam en-
"-gine illustrated by a model the Society
"accepts his offer and recommends that the
"lecture be delivered about the last of August

"July 7th 1838 - The Institute met a quorum
"present the president in the chair
"M Painter from the committee on ag-
"-riculture made report which was accepted and
"directed to be published
"On motion of A H Parker
"John A Wheeler Director of the Mint of
"N. Carolina was elected a correspondent
"On motion of A H Parker
"Our President is appointed to confer with
"George G. Leiper President of the trustees of Ridley
"Presbyterian Church on the subject of the benches
"obtained by the Institute from that church

"Hall of the Institute August 4th 1838
"The Institute convened - a quorum present the
"President in the chair
"The minutes of last meeting read and ap-
"proved
"On motion
"Benjamin Matthias Esq of Philadelphia
"was elected a correspondent
"The corresponding secretary is directed
"to inform him thereof
"Joseph Fairlamb who was elected a
"member Jan. 6th 1838 now forwarded his initiation
"fee and A H Parker informed he was requested
"to subscribe his name to the constitution
"on his behalf
"When permission was granted that A H Parker
"subscribe the name of Joseph Fairlamb to the
"constitution
"Which was done
"The President read a private letter received
"by him from Benjamin Matthias our newly
"elected correspondent giving an account of his
"travels in Europe and particularly describing
"Mount Vesuvius which account was very
"interesting
"The President reported he had conferred
"with G. G. Leiper but as Mr Leipers understanding
"was different from that which the Institute had
"received regarding the terms of compensation for
"the benches in the hall
"On motion of A H Parker
"The Building Committee is instructed to
"provide benches and first endeavour to procure
"those which are already in the hall if the same
"can be obtained on reasonable terms
"The president exhibited a plant found
"growing on the warf of the Lazarretto in this
"county which he believes to be the Medicago Lu-
"-pulina or Irish Shamrock
"John Evans contributed 2 specimens of
"calciferous lime rock from near --
"Resolved that the Secretary procure a
"book in which to record all singular phenomena
"and other passing events the account of which
"may be thought worthy of preservation

62-2

RICHARD RONALDSON
of Philadelphia, Pa.

Second Patron

6013

"Hall of the Institute September 1st 1838
"Persuant to adjournment the Institute convened--the president presiding
"The roll being called a quorum were in attendance
"The minutes of last meeting read and approved
"On motion of J. Howard
"Peter A Brown Esq of Philadelphia was elected a correspondent
And on motion of Dr Smith
"Hon Joseph Williams of Iowa territory was elected a correspondent
"The corresponding secretary is directed to inform the above correspondents of their election
"Information was received that our correspondent Wm Maclure of Mexico had deposited in the hands of his agent in Phila. a number of books to be distributed gratuitously to Scientific Institution when proper application shall be made
"John Miller is appointed to apply & receive any gifts on behalf of the Institute that may be so obtained
"And the president and secretary are directed to furnish him with a certificate that the Institute is desirous of obtaining any such donations and that he is appointed to receive the same
"A donation was announced from Wm Gault of Middletown of a large number of duplicate specimens of minerals mostly collected in this county
"J. Howard informed that P A Brown who proposed to deliver a lecture before the Institute soon has selected Mechanics as his subject

"Hall of the Institute Oct 6th 1838
"The Institute met the president took the chair and upon the roll being called a quorum appeared to be in attendance
"The minutes of last meeting read and approved
"On motion of A H Parker
"James Barton of Middletown was elected a member of the Institute upon his complying with the further requisitions of the constitution
"Also on motion of A H Parker

"Dr Theodore Woodward of Castleton in
"Vermont was elected a correspondent
"The corresponding secretary is directed to
"inform him of his election
"The corresponding secretary read a letter
"from our correspondent John A Wheeler super-
"intendent of the Mint of N. Carolina in reply
"to one announcing to him his election as corres-
"pondent
"A communication was received from John
"Hill of U. Providence relative to the benches in the
"Hall of the Institute which was referred to the building
"committee
"James Howard read a letter from P. A.
"Brown Esq informing that he will be ready to
"deliver a lecture before the Institute on the last
"Saturday of this month--
"The Secretary is directed to give public
"notice thereof
"J Miller agreeable to instructions at
"last meeting applied for and obtained the
"donations of books from Wm McClure consisting
"of 5 volumes and 2 pamphlets as an addition to
"our library
"A H Parker suggested the propriety of
"planting part of our lot with the *Morus Multicaulis*
"and moved that a committee be appointed to
"take the subject into consideration
"Which was agreed to and A H Parker, J/Howard & M Painter were ap-
"pointed
"A H Parker presented on behalf of the Rev.
"Wm M. Engle of Phila 50 ancient and Modern coin
"100 fresh water shells from the Mississippi river
"with a number of minerals
"Dr Smith presented specimens showing the
"action of intense heat upon china and glass
"wear occasioned by the great fire in N. York
"in 1836
"J. Howard presented a specimen of
"magnesite from Nottingham Chester Co with
"other minerals
"He also presented on behalf of Miss
"Hannah Green of Edgmont a fancy basket
"made of strips of paper

62a

GEORGE SMITH, M.D.

FIRST VICE-PRESIDENT — — 1833

FIRST PRESIDENT — 1834-1881

George Smith



John McBratton

SECOND PRESIDENT — 1882-1894

John McBratton

"Hall of the Institute Nov 3rd 1838
"At a Stated Meeting of the Delaware Co
"Institute of Science - The President in the chair
"The roll being called a quorum answered
"The Minutes of last meeting read and approved
"A letter was received and read from our
"correspondent Peter A Brown Esq of Phila accom-
"panying which was a copy of Greens monograph
"of the trilobites of N. America together with a
"complete set of colored models or casts of the
"species which he presented as a donation to
"the Institute
"The president laid before the Institute
"the following resolution and by laws which
"were considered and unanimously adopted
"Resolved that the following shall be the

"By Laws for the regulation and management
"of the Library of the Institute
"1st A librarian shall be annually
"chosen by ballot at the Stated meeting in
"November
"2nd All the books now belonging
"to the Institute or which may hereafter come
"into their possession shall have the price or
"value written in them and if presented also
"the donors name together with the date of
"their reception
"3rd It shall be the duty of the
"Librarian to take charge of all the Books
"Maps Charts and drawings belonging to the
"Institute and cause them to be kept in good
"order and aired and cleaned when
"necessary
"4th He shall keep a book in
"which he shall enter the name of each person
"applying for the loan of a book together
"with the title of the book and the date of
"the application and if the applicant be
"not a member he shall exact from him or
"her the value of the whole work which he
"shall retain in his hands as a pledge until
"the book is returned
"5th he shall not loan more than
"two books to the same person at the same
"time and not for a longer period than two

"months; and any person neglecting to re-
 "-turn a book within the limited time shall
 "be subject to a fine of one cent per day for
 "each book for every day they may be kept
 "beyond the period aforesaid
 "6th Book fines incurred by a member
 "during the year shall be reported to the Institute
 "at their annual meeting in November and
 "shall be then paid by him but fines incurred
 "by persons not members shall be retained by
 "the librarian out of the pledge money in his
 "hands
 "7th If on the return of any book

"it shall appear to the librarian that it has been
 "damaged or unnecessarily worn he shall collect
 "from the borrower what he believes to be the amount
 "of such damage: but if the borrower shall feel
 "himself agrieved by the desission of the librarian
 "he may apply for redress to any regular meeting
 "of the Institute within three months, and the
 "Librarian shall pay over the amount of all
 "fines received by him during the year to the
 "treasurer at the annual meeting in November
 "8th at all times when the Hall of
 "the Institute is open the books of the library
 "shall be free for the examination of the In-
 "-habitants of Delaware County: but no book
 "shall be removed from the Room in which
 "the library is kept except on the terms em-
 "-braced in the foregoing articles
 "9th at each Stated Meeting in No-
 "vember the librarian shall furnish a
 "statement of the number of books loaned out
 "during the year past year and also the
 "number of borrowers

"On motion
 "The Institute proceeded to the election
 "of librarian and appointed Samuel Fairlamb
 "teller who after due time reported that George
 "Cummins was unanimously elected to the
 "office of librarian for one year
 "From public notice given by the
 "Secretary of the Commonwealth it appears
 "that the Colonial records of Pennsylvania
 "are in progress of publication and that each
 "public library in the state is entitled to a
 "copy
 "The president is instructed to take the

"necessary care to obtain a copy for our library
"Agreeable to instructions at a subsequent
"meeting the building committee now report
"that they have agreed with George G. Leiper
"president of the trustees of Ridley presbyterian
"Church for the benches now in our hall for
"the sum of seventy dollars and
"The president is instructed to draw his draft
"on the treasurer in favour of G. G. Leiper for
"that amount
"M Painter read some observations on
"the White Ash and the Grasshoppers which are
"directed to be entered in the "Register of Remarkable
"Events"
"A Donation was announced
"from John Ronaldson of Derbyshire Spar
"and other minerals
"Also a donation from J. Ronaldson
"of a book entitled Cottage economy
"Agreeable to notice P A Brown deliv-
"ered a lecture in the Hall of the Institute on
"the subject of Mechanics

"Hall of the Institute Dec 1st 1838
"The Institute met when the president took
"the chair
"The roll was called when a quorum
"appeared in attendance
"The minutes of the last meeting read
"and approved

"The President informed he had in his
"possession a letter from our correspondent
"P A Brown of Phila with a number of minerals
"as a donation directed to the Institute but
"circumstances prevented him from laying
"them before the meeting at this time
"On motion
"The president is instructed to reply
"to said letter
"The president also informed that in an
"interview with P A Brown he expressed a
"willingness to attend some future meeting
"of the Institute
"The president is instructed to signify
"to him in the name of the Institute that the
"proposed visit will be very acceptable
"The member appointed at a late
"meeting to inform the Chester and Delaware
"County Agricultural Society that the use of
"of the Hall of the Institute was at their service
"whenever they may incline to sit in this county
"reported

"That they met the Society at its late meeting
 "and offered them in the name of the Institute
 "the use of the Hall which they directed to be
 "put upon their minutes
 "A bill was received from Jesse Rudsell
 "for making a case for the Institute amounting
 "to \$22.14cts which was allowed and
 "The president instructed to draw a draft
 "on our treasurer in his favour for that amount
 "J. Howard presented on behalf of J. [redacted]
 "Ronaldson of Phila a horn of an antelope also
 "a number of minerals from the coast of England
 "J. Miller presented on behalf of Miss E
 "Morris of Germantown a number of pictans from
 "the Ohio of a very diminutive species
 "J. Howard exhibited violets in full
 "bloom which he found growing wild in the
 "open air notwithstanding the weather has been
 "so cold and unfavourable for vegetation

"Hall of the Institute Jan 5 1839
 "THE Institute met when the president took the
 "chair
 "The roll being called a quorum appeared in
 "attendance after which the minutes of last meeting
 "were read and approved
 "On motion of A H Parker
 "Harvy Bancroft of U Providence was elected a
 "member and he being present complied with the fur-
 "-ther requisitions
 "A communication was received from P. A.
 "Brown Esq our correspondent on the subject of
 "McAdamized roads accompanied with specimens
 "of the different kinds and qualities of the stone used
 "used in the construction of such roads near Liverpool
 "England
 "A H Parker from the committee appointed
 "at a late meeting on planting the lot of the Institute
 "with the Morus Multicaulis¹ made report and the
 "consideration of the accompanying resolutions were
 "deferred till next meeting

1 M. Multicaulis (Chinese Mulberry) A species of M. Alba; white mul-
 berry; Lvs. large (4--7' long, 2/3 as broad). Shrub.--Wood, 1854.

"Dr Ash agreeable to notice given at last meeting
"offered the following resolutions
"1st Resolved. That the Delaware County Institute
"of Science tender the use of their Hall to the Inhabitants
"of the County for holding public meetings whether for
"scientific literary moral or political purposes
"2nd That any person occupying this Hall as a
"public speaker as lecturer must subject himself to
"the remarks or replys of the Individuals of the audience
"on the matters delivered the same length of time
"he has employed in their expression
"Which resolutions after considerable debate
"were allow directed to lie upon the table
"The president informed that Benjamin
"Matthias of Philadelphia was willing to deliver a
"lecture before the Institute on the national charac-
"teristics of Americans and Europeans
"The Institute fixes the 26th Inst at 2 oclock
"as the time of its delivery provided it suits the
"lecturer
"The president presented on behalf of P. A.
"Brown a number of minerals and a cast of an ear
"of Indian corn found in the envelope of an
"Mexican mummy
"Adam B. Williamson contributed a number
"of copper coin
"A H Parker presented on behalf of Saml Little of
"Providence a copper coin
"J. Howard presented on behalf pf Sarah
"Hall of Salem N Jersey a knot on the Matrimony
"Vine (Lycium Barbatum(Barbarum))
"The president contributed a number of minerals
"and organic remains from N Jersey
"M Painter presented on behalf of Richard T.
"Thatcher 3 bullets found in Birmingham in this county
"on the same ground where the Hessians & Americans
"had an engagement at the Brandywine battle
"during the Revolutionary War also a chrystal of
"Amethystine quartz
"He also presented a large quartz chrystal
"of corundum found in Middletown from David
"Cummins

"Hall of the Institute Feb 2nd 1839
"The Institute met when the president took the chair
"The roll was called by which it appeared a quorum
"were in attendance
"The minutes of last meeting read and after
"some alterations approved
"On motion of J. Howard
"Thomas Reese of U Providence was elected
"a member and being present complied with the further
"requisitions
"On motion of A H Parker
"The resolution accompanying the report received
"at last meeting from the committee appointed
"relative to the *Morus Multicaulis* were now con-
"-sidered and adopted and are as follows
"Resolved 1st That a capital stock of 120
"shares be created at 10 dollars per share and each
"member of the Institute shall take what number he
"may choose and if there is not enterprise enough
"amongst ourselves to take the whole number let
"them be sold to others not members who have a
"greater desire to help us than we have to help ourselves
"Resolved 2nd That the capital stock be re-
"purchased in the fall from the first proceeds
"of sales at par value or the holders of stock
"may take the amount of their shares in trees
"at market prices
"Resolved 3rd That a committee of three be
"appointed to purchase the trees and have them
"secured to the amount of stock taken
"Whereupon H. Bancroft, S Morton and
"J. D. Pierce were appointed said committee
"On motion of A H Parker
"Resolved That all the members constitute a
"committee to obtain subscriptions to carry the
"above resolutions into effect and report to the next
"meeting
"On motion of J Howard
"Resolved That a committee of five members
"be appointed to enquire minutely & particularly
"into the consequences of the great freshet of the
"26th ult so far as regards Delaware County and
"report the result of their enquiries to the next or
"some subsequent meeting with a view of having
"the same placed on the "Register of Remarkable
"Events" kept by the Institute
"When J. Howard J Sharpless J. Sill A. B. Wil-
"-liamson and M Painter were appointed said
"committee

THIRD PRESIDENT - 1894-

668

REESE W. FLOWER

"Hall of the Institute Feb 9th 1839
"Persuant to adjournment the Institute convened
"The roll was called and a quorum answered
"The minutes of last meeting read and approved
"M Painter read a letter he received from our
"patron J. Ronaldson Esq on matters interesting to
"the Institute
"The committee appointed to obtain subscriptions
"for purchasing the Morus Multicaulis report they have
"received subscriptions to the amount of 220 dollars
"A H Parker offered the following resolution which
"was adopted
"Resolved that the thanks of the Institute be
"presented and it is hereby tendered to Benjamin
"Matthias Esq of Philadelphia for his able and excellent
"Lecture upon National Characteristics delivered this
"daybefore the Institute
"The corresponding Secretary is directed to
"furnish him with a copy of the above resolution
"On motion of Dr Ash
"The Institute proceeded to the further consideration
"of his resolution of Jan 5th
"When M Painter moved that they be referred
"to a Select committee which was adopted
"and A H Parker A B Williamson & M Painter
"were appointed
"S. Morton offered the following resolution
"as an addition to those adopted at last meeting
"relative to the Morus Multicaulis which resolution
"was adopted
"Resolved . That if the sale of the Morus
"Multicaulis trees should so much depreciate in
"value that they will not sell for their original
"cost (including the expense of cultivating them) the
"the said stock holders shall receive a portion of
"trees according to the amount of stock paid
"That is the whole number of trees shall be divided
"amongst said stock holders in proportion to the
"stock subscribed and paid and the property of the
"Institute shall not be responsible for any of the said
"loss
"M Painter requested and obtained permission
"to put on file of the Institute his objection to the
"adoption of the resolution of last meeting relative
"to the Morus Multicaulis (see file of communications
"book 1st pag No 12th
"On motion of A H Parker
"Resolved that Dr Smith be requested to
"continue his lectures before the Institute
"On motion of Dr Ash
"Resolved that the Corresponding Secretary
"write to our Senators and Representatives in Congress
"and State legislature informing them that the Institute
"has established a public library and that it is desirous
"of obtaining all books and documents that are

"interesting published by their respective houses &
"respectfully request their aid in furnishing them to
"us
"George Miller Jur who has recently returned from
"the Western country presented the Institute with the
"skin of 2 prary hens and also the skin of another
"bird found in those regions
"M Painter presented on behalf of J. K. Zelin
"a pamphlet published by the house of representatives
"on the public school instruction of Europe

"Hall of the Institute March 2nd 1839
"The Institute convened when the roll was called
"and a quorum answered
"The minutes read and approved
"On motion of Joel Sharples
"Thomas Pratt of Middletown was elected
"a member and being present signed the constitution
"The committee on the ~~late~~ freshet of the 26th

"of January reported in part the report was directed
"to lie upon the table
"A H Parker offered the following preamble &
"resolution
"Whereas A H Parker did on the 5th January
"1839 offer a resolution to inquire into the expediency
"of planting the ground belonging to the Institute with
"Morus Multicaulis which was laid upon the table
"until the next meeting of the same
"And Whereas at said meeting it was taken
"up and passed but with one dissenting voice &
"Whereas at a future meeting it met with
"a most scurulous and abusive opposition from
"one of its members
"Therefore Resolved that the said Parker
"be absolved from all participation in the
"aforementioned resolution and he is hereby ab-
"-solved from the same
"Which preamble and resolution were proposed deferred
"until next meeting
"S. Morton for the committee on the

"Morus Multicaulis made a verbal report that
"the committee had passed a resolution directing
"that all monies raised on the subscription for
"purchasing of M. Multicaulis be placed in the
"hands of the treasurer of the Institute and be subject
"to the drafts of the Committee
"G. Cummins presented a bill for work
"done to the buildings of the Institute and for
"fence amounting to \$9.53 cents which was allowed
"and the president directed to draw a draft on
"the treasurer in his favour for that amount
"On motion of A H Parker
"The corresponding secretary is instructed
"to request J. S. DaSolle of Philadelphia to deliver
"a lecture before the Institute on Saturday the 6th of
"April next on some suitable subject which he
"may select
"Sketchly Morton presented the following
"1 dollar note on the Trenton Bank
"25 cts ticket on the corporation of Reading
"6 $\frac{1}{4}$ cts o do on the Philadelphia loan company
"which were lately put in circulation
"in the place of legal coin in consequence of the
"withdrawal of a metallic currency from circulation

"Hall of the Institute April 6th 1839
"The Institute convened when the roll was
"called and a quorum answered
"The minutes read and approved
"At the Instance of the President
"Dr Alfred Langdon Elwyn of Philadelphia
"was elected a correspondent
"The corresponding Secretary being absent
"the president was desired to inform him of his
"election
"The preamble and resolution offered by A H.
"Parker at last meeting was considered
"And on motion of S Morton further action
"was postponed for the present
"M Painter offered the following resolution

DELAWARE COUNTY INSTITUTE OF SCIENCE

"Resolved that Chapter 4th Art. 1st of the
"Constitution of the Delaware County Institute
"of Science be so altered as to require five dollars
"instead of two dollars of new members as initiation
"fee
"Which resolution by the constitution is required
"to be referred to the next meeting for
"consideration
"On motion of J Howard
"J. Howard and M Painter are appointed
"auditors to examine and settle the treasurers
"accounts and report the state of the finances
"of the Institute to next meeting
"Joseph E Howard of this county being
"about to publish an almanac for the year 1840
"is desirous of publishing it under the patronage
"of the Institute and requests the Institute to furnish
"matter for the letter press
"When a committee consisting of M. Painter
"J. Howard, J. Evans and J. D. Pierce were appointed
"to furnish suitable matter

"The president informed he had secured for
"the Institute a present from Dr Elwyn of Phila
"the 7 vol of the transactions of the Academy of
"Natural Sciences of Philadelphia
"M. Painter presented on behalf of J. K.
"Zelin "A report on the Swatarra Mining district
"J. Howard presented a copy of Washingtons
"Valadictory address
"Milton Lewis of Newtown presented a
"number of shells also the jaw of a shark
"J. Miller presented on behalf of Richard
"Oakford of Philadelphia an adjutant from
"Calcutta
"M. Painter presented a small note issued
"by the Port deposit bridge Company in 1816

"Hall of the Institute May 4th 1839
"The Institute convened when the roll was called
"and a quorum appeared to be in attendance.

"At the instance of the president
 "Dr Joshua W. Ash of Upper Darby was elected
 "a member upon his complying with the
 "further requisitions of the constitution
 "The president read a letter he received
 "from Dr Alfred Langdon Elwyn in reply to
 "one announcing to him his election of correspon-
 "-dent of the Institute
 "The managers made a report on the state
 "of the Institute which was accepted and they
 "directed to have it published in pamphlet form
 "The following report was made by the
 "auditors appointed at last meeting to settle with
 "the treasurer
 "To the Delaware County Institute of Science
 "The auditors appointed at last meeting of the
 "Institute to examine the treasurers accounts report
 "that they examined accordingly of which the
 "following is a summary viz

	\$	cts
"Balance in the treasury at last settlement	35	00
"Yearly Instalments	45	00
"Initiation fees	40	00
"Use of the hall for itenerating lectures	7.	50
"Money borrowed for the use of the Institute	300	00
"Cash donations from Individuals	1060	03
"	1488	03
"Drafts on the treasurer by order of the }		
"Institute amounting to }	1474	36½
"Balance in the hands of the treasurer	13.	66½

"There also appears to be an outstanding due
 "from members for yearly instalments amounting
 "to \$45.00cts

"Which statement we respectfully submit

" "Minshall Painter)
 " "James Howard) Auditors

"April 20th 1839

"The president is directed to draw a draft
 "on the treasurer in favour of Randal Bishop for
 "12 dollars it being for interest due on a bond
 "which he holds against the Institute
 "The resolution offered at last meeting and

"referred to this relative to increasing the
 "initiation fee was considered and unanimously
 "adopted
 "J. Howard presented on behalf of George
 "Hunter of Willistown 2 fossil teeth (shark teeth)
 "found in the green sand of N Jersey
 "A donation from J. W. Ash MD was an

"-nounced by the president of a bald eagle
 "prepared by him a skeleton of a sturgeon also
 "a part of the skeleton of a cat exhibiting the
 "restoring power of nature over a broken limb
 "On motion
 "The Institute proceeded to the election
 "of officers for the ensuing year and appointed
 "Joel Sharpless and John Pechin tellers who after
 "due time made the following report for

President, George Smith, M.D.; Vice-Presidents, Rev. A.H. Parker and C. Ash, M.D.; Corresponding Secretary, John D. Pierce, Esq.; Recording Secretary, Minshall Painter; Treasurer, John Miller; Managers, Joel Sharpless, Sketchly Morton, J. Howard, Richard T. Worrall and Levis Miller.

"The President announced the following standing
 "committees as being appointed for the ensuing
 "year

"On Agriculture and Horticulture

"J. Evans

"A B Williamson

"M Painter

"H Bancroft

"T Reese

"On Medical Subjects

"Dr C Ash

"Dr J Leedom

"R. T. Worrall

"T. Gracey

"J H Lewis

"On the Arts

"Joel Sharpless

"J. Miller

"S. Morton Esq

"Wm Martin Esq

"J. Pechin

"J. Richards

On Natural History

J. Howard

J. Miller

J. Hoops

"G. Palmer

"S. Lewis

"Hon E Darling

J. Sharpless

"S. Morton

"L Miller

"On History &c

A H Parker

"J. Sill

"J. K. Zelin

"J. D. Pierce

"A B Williamson

"Hall of the Institute June 1st 1839

"The Institute met when the roll was called

"and a quorum appeared to be in attendance

"The president being absent J. D. Pierce Esq

"was appointed president pro tem

"On motion of S Morton

"The Secretary is directed to inform the

"Prothonotary of this county agreeable to a request

"in a circular issued by him, of the existence

"of our Library and the number of volumes
 "it contains in order to entitle the Institute to
 "a copy of the colonial records about to be
 "published by the State of Pennsylvania
 "S. Morton presented on behalf of John
 "Larkin Jur. a silver coin said to be a Hebrew
 "coin of great antiquity
 "J. D. Pierce presented wood from petrified
 "N Jersey-Sublimated Sulphur from the top of
 "Mount Aetna and a small animal from the
 "Mediterranean Sea
 "J. Howard laid upon the table a small
 "brass coin from Eli Lewis
 "M. Painter contributed 2 small copper coin
 "found near the spot where an Indian wigwam
 "formerly stood in Middletown
 "M. Painter presented from Henry Myers Esq
 "the third annual report of the Geological Survey
 "of the State of Pennsylvania
 "J. Howard & J. Sill laid some fresh botanical
 "specimens upon the table concerning which they

"Made some remarks as they were plants that had
 "claimed their particular attention
 "J. Howard produced a letter from J. E.
 "Howard concerning the publication of an almanac
 "which claimed the attention of the Institute on the
 "6th of April last, the contents afforded additional
 "information to the committee on that subject

"Hall of Institute August 3rd 1839
 "The Institute met when the president took the chair
 "and upon the roll being called a quorum answered
 "The minutes of last meeting read and approved

"Joseph Grubb presented a specimen of Telandria
 "(Spanish Moss) from Vicksburg Mississippi which
 "kind of moss he says is very common on all the
 "trees in that neighborhood - The Jaw of a porpoise
 "from the Gulf of Mexico also a specimen of seaweed
 "from the same gulf
 "S. Morton Esq contributed two shells of the
 "pearl oyster. Also a fish hook curiously made of
 "pieces of shells by the South Sea Islanders
 "John Evans contributed a large specimen
 "of near 40 lb weight of the Sulphate of Barytes
 "from Hitners quarries in Montgomery county
 "He also laid upon the table a number of
 "cocoons of the silk worm which he fed upon the
 "leaves of the Maclura aurantiaca or Osage Orange

Maclura. Nutt. Dedicated to William Maclure, Esq., of the U.S., a
 distinguished geologist.--Wood, 1854. A native on the banks of the
 Arkansas-a beautiful tree.

76a

JOHN JACKSON

Handwritten:
A. Jackson

9612

JOSEPH JACOBS

"which is directed to be entered on"the Register
"of Remarkable Events"
"On motion of J. Howard
"The report made in part March 2nd 1839
"by the committee appointed to enquire into the
"consequences of the freshet of the 26th of January
"last was recommitted to said committee with
"instructions to make a report in full as early
"as practicable

"Hall of the Institute Oct 5th 1839
"The Institute met when the president took the
"chair and upon the roll being called a quorum
"answered
"The minutes of last meeting read and approved
"The president announced the reception of a
"specimen of specular oxide of Iron from the Island
"of St Helena presented by Joseph A Clay of Phila
"Also petrified wood from the head waters of
"Cucumber creek Wharton township Fayette County
"presented by Miss Emily C Lewis of Springfield
"He also contributed a white quartz crystal
"found in this county
"J D Pierce of Chester contributed a con-
"siderable number of the skin of birds dried and
"prepared for being set up
"Dr C Ash asked and obtained permission that
"the resolution offered by him of Jan 5 1839 and
"which have been referred to a select committee
"might be read in order that our patron J.
"Ronaldson Esq of Philadelphia who is in attendance
"at this meeting might express his views upon
"them
"Upon which Mr. Ronaldson expressed his
"views before the Institute
"The committee appointed upon the afore-
"-said resolutions are requested to report thereon
"as early as practicable

"Hall of the Institute Nov 2nd 1839
"At a Stated Meeting of the Delaware County
"Institute of Science
"The president took the chair when the roll
"was called and a quorum answered
"The minutes of last meeting read and approved
"A. B. Williamson from the committee to consider
"certain resolutions offered by Dr C Ash in Jan last
"relating to the use of the hall made report in
"which they propose certain alterations in the resolutions
"The resolutions being now considered as
"amended were adopted and are as follows
"1st Resolved That "The Delaware County
"Institute of Science" tender the use of their hall
"to the inhabitants of this county for holding public
"meetings in to promote the Arts Sciences literature
"and Agriculture and also for meetings by those
"political parties now known and existing in the
"County
"2nd Resolved that the following regulations
"be and they are hereby adopted for governing
"every meeting and person or persons having use of
"the hall for public purposes
"1st Any person or persons desiring the use
"of the hall shall make application to the managers
"for their permit and shall also pledge themselves
"to the managers in some satisfactory manner that the
"Hall shall not be used for any other purpose
"than for that for which the permit shall be
"granted and shall also bind themselves for the
"payment of the rent or hire for the use of the
"hall as well as for any ~~other~~ all unnecessary
"damage the property may sustain in consequence
"of such use
"2nd Any person or persons having the
"use of the hall shall if the public have free admittance
"without charge pay to the Institute one dollar
"for each day or part of a day the hall is so occupied
"and if there is a charge made for admittance they
"shall pay to the Institute three dollars or $\frac{1}{5}$ of the
"clear proceeds of such charge for each day or

"part of a day the hall shall be so occupied
"3rd No person shall injure any trees or
"plants on the ground nor cut or injure any
"wood work or make any drawings on the
"walls or in any way break injure or deface
"any part of the property without making full
"restitution neither shall there be any hissing
"stamping applauding or other unnecessary
"noise

"4th No lecture speaker or experimenter &c
"shall be interrupted by any of the audience or
"by any other person than by managers or by
"the person who may have become pledged to the

"managers for the proper use of the hall and the
"Managers or any of them shall at all times have
"admittance without paying the terms of admittance
"but they shall not interfere with the proceedings
"of the meeting unless in cases of violation of the
"rules

"5th The Chester and Delaware County
"Agricultural Society and the political parties of

"our county now organized or known as
"such may be permitted to have the use of the
"hall without giving the pledge aforesaid
"3rd Resolved That the resolutions of Oct 7th 1837
"of April 7th 1838 and of June 2nd 1838 relating to
"the use of the hall be and they are hereby repealed
"On motion of J. Howard

"Resolved that the treasurer be instructed to
"notify such members as are in arrears for
"instalments or otherwise of the amount of
"their dues and request them to discharge the
"same

On motion of J. Howard

"The Institute proceed to the election of a
"librarian and appointed James Howard teller
"who after due time reported that George Cummins
"was duly elected librarian for the ensuing year
"The secretary was directed to inform him
"of his re-election

"The president announced the reception
"of 2 volumes of the Colonial Records of Pennsylv

"-vania and a copy of the pamphlet laws of
"Pennsylvania for 1839 as a donation from the
"State

"The books were placed in the library
"A specimen of unusual compact limestone was
"received from Wm Fahnestock from his
"quarry in the great valley Chester Co
"James Howard contributed on behalf
"of John Hoops sand stone with vegetable im-
"pressions from the State of Ohio

"Hall of the Institute Dec. 7th 1839
"The Institute met when the president took the
"chair and upon the roll being called a quorum
"appeared in attendance
"The minutes of last meeting read and
"approved
"The committee appointed Feb 2nd 1839 in
"relation to purchasing to purchasing the
"Morus Malticaulis for the Institute made the
"following report
"The committee appointed to make collec-
"tions to invest in the Morus Malticaulis trees to
"be planted for the benefit of the Institute Do report
"That Harvy Bancroft one of said committee
"has collected funds to the amount of 80 dollars
"which as no investment was made of the funds
"in the purchase of trees he still holds in his hands
"and although called upon repeatedly by the
"majority of the committee to refund the said amount
"to the original subscribers or to pay the said
"amount over to the said committee to be refunded
"as aforesaid but has hitherto refused so to do"
"Whereupon it was
"Resolved that the committee as aforesaid
"pay over the amount to the respective subscribers
"M Painter offered the following which was
"agreed to
"Whereas the records actions and doings
"of the Institute will be imperfect to future times
"but as they are read in connexion with the
"lives and characters of those who supported it
"by their activity and influence. This species of
"Record will also afford an opportunity of paying
"a lasting respect to our departed associates and
"remind us of their virtues which we ought indi-
"vidually to cultivate- cherish Therefore
"Resolved That the Institute will in future
"cause biographical accounts of the lives of de-
"ceased members to be regularly kept in a book
"provided for that purpose
"Sketchly Morton who was appointed Aug 3rd
"1839 to have the cocoons then presented by J. Evans
"reeled and spun reported that he had employed
"a person to do it but through some inadvertency
"in him it has not yet been accomplished
"A bill was presented from Y. S. Walter
"for 5 dollars for printing the report of the managers
"for 1838
"Also from Stephen O. Malin for 4 dollars

"for smithing done in constructing the hall
"The president is instructed to draw his
"draft on the treasurer for the respective amounts
"John Miller presented on behalf of James P.
"Espey Esq of Philadelphia four pamphlets on the
"subject of Meteorology written by himself
"Also on behalf of Hugh Tyler of Salem
"N Jersey bog iron ore from that place
"Levis Miller presented on behalf of Charles
"Hughes of Baltimore Co. Md. two specimens of
"Carb. of lime and a specimen of Hemetic iron
"ore from that place
"James Sill Jur presented on behalf of
"Josephine Hatch of Edgmont a specimen of
"the spectrum femoratum (femur) (?) preserved
"in spirit

GEORGE WALKER

CHAPTER IV.

Minutes 1840-1841.

"Hall of the Institute Jan 4th 1840

"The Institute met when the president took the

"Chair and upon the roll being called a quorum

"appeared

"The minutes of last meeting read and approved

"A bill was presented by the managers for expenses

"incurred by them in the discharge of their duty

"amounting to \$7.25 cts

"The president is directed to draw a draft on the

"treasurer in their favour Also a draft on the treasurer

"in favour of Randal Bishop for 12 dollars it being

"for interest due on a bond he holds against the

"Institute

"J. Miller presented the following specimens on

"behalf of Sarah L Miller which was collected by her

"on a late tour viz

"Sulphate of lime from Onandago N York

"Dogtooth spar Lockport do

"Trilobites do do

"Pectans do do

"29 limped quartz chrystals, little falls Mohawk do

"Sulphate of lime Falls of Niagara Canada side

"He also presented on behalf of Johan Moor

"a copper coin and Indian dart

"A. B. Williamson presented on behalf of

"Ferdinand Rodolph Hasler three reports made by

"him to the Senate of the U States one on the com

"-parison of weights and measures another on the

"Survey of the Atlantic coast of the U States made

"Dec 12th 1837 and another July 4th 1838

"Sketchly Morton Esq read an essay on the in-

"troduction of the Morus Multicaulis into the U States

"Which is directed to be entered in our register of

"Remarkable events

"2nd mo 1st 1840

"The Institute met - President in the chair

"On motion

"Joel Sharpless was appointed Secretary

"pro. tem in consequence of the absence of M. Painter

"Levis Miller presented on behalf of Isaac

"L. Miller five specimens of Minerals .viz columnar

"bog iron oar from Huntingdon Co Pa and the

"same kind of mineral coaked ready for the furnace

"also magnitical iron oar from Willistown Chester Co

"John Miller presented a specimen of black

"tourmaline

"Hall of the Institute March 7th 1840

"This being the time of an adjourned meeting but

"a quorum not being present no business was transacted

"Hall of the Institute April 4th 1840

"The Institute convened when the president took

"the chair

"The roll being called a quorum appeared

"The minutes of preceeding meetings read and approved

"On motion of R. T. Worrall

"Auditors were appointed to settle with the

"treasurer and report to next meeting viz Richard T.

"Worrall and Levis Miller

"On motion

"Resolved that George Smith, J. D.

"Pierce and M Painter be a committee to take

"measures to raise additional funds to enable the

"institute to erect a dwelling house upon the lot

"to make other necessary improvements and to

"extinguish a debt now upon the property

"A bill was presented by the managers from

"Franklin Johnson for smith work done in erecting

"the hall of the Institute amounting to \$2.87½ cts

"for which an order was directed to be drawn upon

"the treasurer

"John Evans presented on behalf of Thomas P. James

"of Phila a copy of the constitution and bylaws of the

"Horticultural Society of Pennsylvania

"R. T Worrall contributed a specimen of Beryl

"amethystine quartz and chrystal of quartz con-

"taining spangles of foreign matter singularly embedded

"A donation from our patron J. Ronaldson Esq

"was announced of a volume of the memoirs of

"the board of Agriculture of the State of New York

"and several pamphlets

"A donation was received from Joseph Evanson

"of Thornbury a revolutionary relic found on the

"British camp ground after the battle of Brandywine

GEORGE MILLER, Jr.

842

WILLIAM B. HILDITCH

"Hall of the Institute May 2nd 1840
 "At a Stated Meeting of the Delaware County
 "Institute of Science
 "The president presiding
 "The roll was called and a quorum answered
 "The minutes of last meeting were read and
 "approved
 "On motion of Dr C Ash
 "Resolved that delegates be appointed
 "to attend the Literary convention to be held
 "at Washington City on the 6th of May next
 "Thereupon J K Zelin Esq John D. Pierce Esq &
 "Levis Miller were appointed
 "The auditors ~~at last~~ appointed at

"meeting made the following report which was

"accepted viz

"The auditors appointed to settle the treasurers

"accounts make the following report

"Balance at last settlement

"Received for instalments

" " Initiation fee

" " Contributions

" " Lectures

"By cash paid per orders

"Balance in treasurers hands

"Instalments outstanding

"

"May 2nd 1840

"The financial committee appointed at last

"meeting made a verbal report and submitted

"for consideration the form for a heading of

"a subscription to be circulated amongst our

"citizens which form was approved by the

"meeting - The committee were continued

"Joel Sharpless on behalf of the managers

"submitted their 6th annual report on the

"progress of the Institute which was accepted

"And the president requested to attend to

"having it printed in pamphlet form not exceeding

"200 copies and also have it inserted in the

"newspapers of the county

"On motion of M Painter

"Proceeded to the election of officers for

"the ensuing year and appointed A B Williamson

"and T. Reese tellers who after due time re-

"ported the following officers as duly elected

	\$	cts
"Balance at last settlement	13	67
"Received for instalments	14	00
" " Initiation fee	2	00
" " Contributions	20	75
" " Lectures	83	50
	133	98
"By cash paid per orders	126	35
"Balance in treasurers hands	7	63

\$ cts

37 00

Richard T. Worrall)
 Levis Miller) Aud

President, George Smith, M.D.; Vice-Presidents, C. Ash, M.D., and A. B. Williamson; Corresponding Secretary, John D. Pierce, Esq.; Recording Secretary, Minshall Painter; Treasurer, John Miller; Managers, Joel Sharpless, Levis Miller, Richard T. Worrall, James Howard, and, James Sill, Jr.

"Bills were presented as follows
 "One from Levis Miller for building a small
 "house amounting to \$7.35 cts
 "One for Mdz of John Wells amounting to
 "\$12.96 cts
 "One from Samuel Gummen for Chemical
 "lectures the past winter amounting to \$60.
 "The president is directed to draw his draft on
 "the treasurer for the respective bills
 "David Lyons of Haverford presented 13
 "volumes of the proceedings and debates of the
 "convention of the Commonwealth of Pennsylvania
 "to propose amendments to the constitution Also
 "2 volumes of the Journal of said convention
 "On motion of Dr C Ash
 "The thanks of the Institute were voted
 "to D Lyon for his very liberal donation
 "C Ash presented on behalf of Humphry
 "Hill of Darby two specimens of species of Lacutas (?)
 "Also on behalf of Richard Oakford of Phil
 "two east india pheasants from China
 "John Miller on behalf of Lewis Hansal
 "of Haverford presented Indian relics
 "Also on behalf of Benjamin Kirk of U
 "Providence a large specimen of coral
 "From our correspondent Wm Darlington
 "of W. Chester two copies of his essay on the
 "developmant and modification of the external
 "organs of plants
 "From J. K Zelin the sixth annual report of
 "of the Superintendent of common schools

"Hall of the Institute June 6th 1840
 "The Institute met when the president took
 "the Chair
 "The names of the members were called when
 "a quorum answered
 "The minutes of last meeting being read
 "were approved

"L Miller informed
"That some of the delegates ap-
"pointed to attend the literary convention held
"at Washington City on the 6th of May last
"were in attendance
"The financial committee inform
"that they have placed subscription papers in
"the hands of the deputy Marshall who are
"appointed by government to take the census
"of the county all of them having expressed a
"willingness to serve the Institute in circulating
"our subscription papers amongst the citizens
"during the time they are discharging their official
"duty

"On motion of J. Howard
"Resolved that the Institute will hold no adjourned meeting on the
"4th day of

"July next
"John Evans contributed a specimen of
"bladed tremolite
"James Howard contributed a fine
"specimen of magnesite from W. Nottingham
"Chester Co
"The president announced the reception
"of a donation from our correspondent Henry
"A Clay Joseph A Clay of Philadelphia of
"46 specimens of minerals some of them from/foreign countries
"J. Howard presented from Ellis P. Howard
"an Indian relic
"Levis Miller laid on the table from
"Sarah L. Miller very fine fruit of a species of
"strawberry raised from seed obtained from Iowa
"territory these being of the first crop the vines
"have borne

"Hall of the Institute Aug. 1st 1840
"The Institute met when the president took
"the chair and upon the roll being called a
"quorum answered
"The minutes of last meeting read and ap-
"proved
"On motion
"Wm S. Vaux of Philadelphia was/elected a correspondent
"The corresponding Secretary is directed
"to inform him of his election
"The president announced the reception
"of a joint donation of 116 specimens of minerals
"from our correspondent .Jos. A Clay & Wm S
"Vaux of Phila
"Also a donation from Moses Culbert of
"a specimen of turf from the bogs of Ireland
"and the seeds of the Irish broom and whin (?)
"Also a donation from
"of Sulphuret of iron changing by exposure into
"sulphate of iron

"John Evans contributed the following minerals

"Lime Stone braccica from White Marsh Mont Co

"Jaspery iron oar Spring Mills do

"Urite Barren Hills do

"M Painter presented on behalf of Jared

"Darlington a lock of hair found in a large

"tree of the linodendron tulipifira that grew

"near his residence in Middletown. The hole

"in which it was found appeared to have been made

"with an iron instrument about 4 feet from the

"ground and the plug driven in to secure it

"appears to be oak. By counting the growth

"of the tree more than 100 years have intervened

"since its insertion there. A difference of opinion

"appeared amongst the members whether it was

"Indian or European hair but all agreed that it

"was likely it was placed there in consequence of

"some superstition of the age

"Hall of the Institute Sept 5th 1840

"The president and secretary in attendance@

"but a quorum not having met no business

"transacted

@ Where "attendance" is used it is given "attendance" in all cases

"Hall of the Institute Oct 3rd 1840
"The Institute met when a quorum appeared
"in attendance
"M Painter read a letter from Dr Wm
"Darlington on subjects interesting to the Institute
"And on motion
"Ordered that it be filed with the other
"papers of the Institute
"The president announced the reception
"of 3 volumes of the Colonial Records of the State
"of Pennsylvania
"Sketch by Morton presented on behalf of
"Benjamin Kirk a very large specimen of
"flying fish
"John K Zelin public documents of the
"house of Representatives
"John Edwards Esq public documents from
"Congress
"George Cummins specimens of Andalusite
"and Indian relics
"A bill was presented from Y. S Walter
"for 5 dollars it being for printing the annual
"report of the directors for the year 1839 and
"the president is directed to draw his draft on
"the treasurer for the above sum in favour of
"Y S Walter
"On Motion
"Resolved. That Edward Darlington Esq
"be a committee to proceed against Harvy Ban-
"-croft for the recovery of certain monies paid
"into his hands as one of a committee of the Delaware
"County Institute of Science under certain resolutions
"adopted on the Second day of February 1839
"The recording Secretary is directed to furnish
"E. Darlington with a certified copy of the foregoing
"resolution and also affix the corporate seal of the
"Institute thereto

"Hall of the Institute Nov 7th 1840
"The president and secretary present but a
"quorum not having met no business transacted

"Hall of the Institute Dec 5th 1840
"The secretary present - but a quorum did not convene - no business
transacted

"Hall of the Institute Jan 2nd 1841

"The Institute met when the names of the members were called and a quorum answered

"The minutes of Aug 1st 1840 and Oct.

"3rd 1840 were now read and approved

"On motion of J. Sharpless

"The name of Harvy Bancroft was

"directed to be erased from our list of members

"he having his permanent residence out of our

"county and state

"The president laid a bill before the

"meeting from A. M. Nesbitt amounting to

"5 dollars for printing 200 copies of the 6th annual

"report of the managers of the Institute which was

"allowed and the President directed to draw his

"draft on the treasurer for that amount

"The President contributed a specimen of

"Sorex Caroliniensis which he found on his

"farm but is a species rarely found this far

"North

"James Howard contributed a number of

"specimens of shale from Mount Carbon the im-

"pressions are very perfect and the mass presenting

"new ones with every fracture

"He also presented a specimen of Photo genic (?)

"drawing it being his first effort to produce such

"impressions

"J. Evans was requested to invite a suitable

"person to deliver a course of Lectures on Elocution

"in the hall

"Hall of Institute Feb 6th 1841

"The Institute met when the president took the

"chair and upon the roll being called a quorum

"answered

"The minutes of last meeting read and

"approved

"On motion of J Howard

"Joseph Rowland MD of Newtown was

"elected a member but not being present did

"not comply with the other conditions and become

"a member

"M Painter read a letter he had re-

"ceived from our patron J Ronaldson informing

"he possessed seeds that he brought from Europe

"which he wished to be distributed amongst the

"members of the Institute

"The letter was directed to be filed a-

"mongst the other papers of the Institute and

"Dr G. Smith & M Painter appointed to

"wait upon Mr Ronaldson to receive such seeds

"as he may think proper to furnish

"J Sill Jur on behalf of George Sill of Edgmont
"presented a wooden chair cut out of a solid
"stick of wood
"He also presented 4 shells from Anna
"Mc Call of Bethel
"Two pieces of paper money issued by the
"Colonies of Maryland and Pennsylvania were
"received from Joseph Gibbons of Springfield as
"a donation to our museum
"J Sill presented on behalf of Samuel G.
"Eachus a bill of credit issued by the borough of
"West Chester in 1837
"G Smith MD a bill of credit issued by the
"Philadelphia bank in 1816

"Hall of Institute March 6th 1841
"This being the time for an adjourned meeting
"but a quorum not attending no business trans-
"-acted

"Hall of Institute April 3rd 1841
"A quorum not attending no business trans
"-acted"

* End of 2d Minute Book.

"Hall of the Institute May 1st 1841
"At a Stated Meeting of the Institute now
"convened
"The president took the chair and upon the
"roll being called a quorum answered
"The minutes of last meeting read and approved
"J. Howard on behalf of the Managers made
"their annual report which was accepted
"The Managers suggested in their report that some
"alteration might be made in the Constitution and by-laws
"calculated to render the operations of the Institute more useful
"and interesting and recommend that a select committee
"of three be appointed to take the subject into consideration
"and an motion
"A committee of three were appointed for that
"purpose viz Dr. G. Smith A.B. Williamson & M Painter
"The president gave information of the decease
"of our patron J. Ronaldson, Esq of Phila when the following
"resolutions were unanimously adopted
"Resolved that in the death of our Patron James
"Ronaldson, Esq of Phila our Institution has sustained a
"severe loss and Society has been deprived of one of its most
"intelligent and useful members
"Resolved that the deep interest which the deceased
"has at all times taken in the prosperity of this Institution
"and the liberal aid which he has on several occasions
"extended towards promoting its objects in conjunction
"with his many excellent traits of character have endeared him
"to the members of the "Institute" and his decease is to them
"a source of unfeigned sorrow and regret
"The corresponding secretary is directed to communicate
"the foregoing resolutions to his nearest relative.
"On motion
"Proceed to the election of officers for the
"ensuing year and appointed James Sill, Jr. and Levis
"Miller tellers who reported the following officers as duly
"elected for

President, George Smith, M.D.; Vice-President, A.B. Williamson and
John Pechin; Corresponding Secretary, John Evans; Recording Secretary,
Minshall Painter; Treasurer, John Miller; Managers, L. Miller, R. T. Worrall,
J. Howard, J. Sill, Jr., and J. Sharpless.

WILLIAM AMES

Rev. A. H. PARKER

"On motion
"A.B. Williamson & J Sill Jur were appointed
"auditors to settle with the treasurer and report the state of
"our finances to next meeting
"On motion of M Painter
"Resolved that the Managers have liberty to grant
"the use of the hall to a Company to be styled the Del Co
"Mutual Insurance Company in which to hold their meetings
"until that company shall be fully organized
"M Painter presented on behalf of the author Dr
"Darlington a copy of "A discourse on the properties and
"importance to man of the true grasses" delivered before the
"Chester Co Cabinet Feb 19th 1841.
"M Painter presented the fifth annual report of the
"State Geologist of Pennsylvania
"From Elizabeth Green of Middletown a sharks
"jaws and a sea fish
"From Emaline J. Green a chinese parasol
"Levis Miller presented on behalf of Spencer Bonsall
"an albatross and a King fisher head
"From John Evans a specimen of decomposed wood
"exhibiting in an unusual manner the medulary rays he
"also planted on the ground two trees the Maclura aurantiaca
"and Prunus Borealis
"James Howard presented on behalf of Philip S. Bishop
"an Indian pipe found on hunting hill in Edgmont
"From Miss Tomlinson of Springfield a fine plant
"of a species of cactus
"The president announced the reception of 24 specimens of
"minerals from George E. Sellers of U Darby many of them in-
"teresting species from different parts of the U States
"From Dr J. Huddleson a public document

"Hall of the Institute June 5th 1841
"The members of the Institute according to order having
"convened - The president took the chair and upon the roll
"being called a quorum answered
"The minutes of last meeting read and approved
"John F. Frazier Esq of Phila having issued proposals for
"publishing a map of Del Co from actual survey
"On motion of Levis Miller
"Resolved that the Institute subscribe for one
"copy of said map

"The Auditors appointed to settle with the treasurer
 "not now being ready to report are continued and directed
 "to report to next meeting
 "The president is authorized to draw a draft on the
 "treasurer in favour of Randal Bishop for 24 dollars it being for
 "two years interest due from the Institute
 "J Sill Jur presented some productions of the sea found
 "amongst the S. sea Islands - head of a gar fish also a rev-
 "olutionary relic of a button found on the battle ground of
 "Brandywine
 "A donation was received from Joseph Bassett Jur of
 "Marle and shells and petrifications found in marle from
 "Manington, Salem Co N Jersey

"July 3rd 1841

"The members not attending no business transacted

"Hall of the Institute Aug. 7th 1841

"The Institute met when the roll was called and a
 "quorum answered

"Minutes of last meeting read and approved

"On motion of J. Sharpless

"Resolved. That a select committee of three be appointed

"to enquire whether a regular course of lectures can be delivered

"in the Hall the ensuing fall & winter, and if so, that they

"agree with suitable lecturers and make such further arrange-

"ment as may be necessary to effect it.

"When Dr. G. Smith Dr C Ash and Jonathan Richards

"were appointed said committee

"On motion

"The managers & secretary are directed to examine

"and report what duplicates of minerals the Institute may

"possess by which it can exchange with David Dale Owen

"of New Harmony Indiana agreeable to a circular received

"from him

"Richard T Worrall presented on behalf of Lewis

"H Trimble of Phila two conch shells

"Also on behalf of Richard O Serrill of Darby

"a specimen of the rock of Gibraltar

"Also on behalf of Morris Hannum of Darby a

"specimen of Irish turf

"M Painter presented on behalf of Walter Y Hoops

"of Middletown a greek coin

"Also on behalf of Emaline J. Green of Edgmont

"two specimens of sea weed

"The Auditors not having reported as directed are

"continued

"Hall of the Institute Sept 4 1841
"The Institute convened when the president took the chair
#The recording Secretary being absent J. Sharpless
"was appointed secretary pro tem
"The committee appointed to procure lecturers in
"-form they engaged the services of Dr Bryant and J. F.
"Frazier Esq which were approved
"At the instance of the president
"Dr John H March of Concord was elected a
"member upon his complying with the further requisitions
"of the constitution

"Hall of the Institute Oct 2nd 1841
"The president took the chair when the names of members
"were called and a quorum answered
"The minutes of Aug 7th 1841 not having been read at
"last meeting were now read and approved and those of last
"meeting not being here were not read
"Joseph Rowland MD who was elected a member
"at a former meeting now being present complied with the
requisitions of the constitution
"The Institute being informed that W. B. Hilditch
"John Hoops and Sketchly Morton Esq have removed out
"of our county their names were directed to be erased from
"our list of members
"A circular was received from Alfred L. Kennedy
"of Phila proposing to deliver lectures before schools & societies
"on Chemistry and Philosophy and offering his services to the
"Institute on advantageous terms but the committee having
"charge of the subject of Lectures having made engagements
"with others his offers were at this time declined
"The committee appointed to procure lecturers and
"make arrangement for a course of lectures during the present
"autumn and ensuing winter
"Report
"That they have engaged the services of Proff
"John F Frazier to deliver 6 lectures on the subject of Geology
"for which he will only charge his expenses to and from the

"the Institute. Dr. James Bryan to deliver 6 lectures on
"the subject of Anatomy and Physiology for which he is to
"receive \$50.00. Joshua Hoops to deliver 3 lectures on the
"subject of Astronomy which will be without charge except his
"expenses One lecture on Electricity by Saml. Gummere without
"charge and 2 lectures on Elocution by Lemuel G White for
"which he is to be paid 10 dollars
"The first lecture to be delivered on the 23rd of the present
"month. Tickets of two kinds have been issued The first will
"admit a lady and gentleman or two ladies at the price

"of \$1.00 the other to admit a single person at 75 cts to
"the whole course. Those who do not procure tickets will
"pay 12½ cts at the door and children under 12 years
"of age admitted without charge when accompanied by
"their parents or guardians

"On motion

"Resolved that Y. S. Walter, A. McChever (?)

"Jackson Lyons, Robert Frame Esq and James McMullen

"be each presented with a white ticket of admittance to

"the lectures of the Institute for the ensuing winter

"On motion of A.B. Williamson

"Resolved that the Initiation fee of new members

"be reduced to two dollars

"Bills were presented and allowed as follows one

"from Samuel G White of 5 dollars for a lecture on elocution

"last winter and another from Isaac Johnson for erecting

"new fence on the lot and sundries amounting to \$21.62 cts

"A.B. Williamson presented on behalf of James Moor of

"Lancaster city a number of petrifications found in the State of
Delaware

"Hall of the Institute Nov 6th 1841

"At a Stated or general meeting of the Institute

"now convened

"The president took the chair when the names

"of members were called by which it appeared a quorum

"for transacting business was in attendance

"The minutes of Sept 4th and last meeting were read

"and approved

"On motion of R. T. Worrall

"Voted that Lewis Levis of Springfield be a

"member and he being present complied with the requisitions

"of the constitution

"The president announced the reception of a donation from

"Hazel Wilson of Haverford of a number of specimens of

"minerals from black rock tunnel Chester Co

"Also a donation from Benjamin Pearson (dec) of

"Darby of 6 pieces of ancient silver coin

"Specimens of chrystalized green quartz from U Providence

"were laid upon the table by Joseph Cummins

"George Miller of Providence presented specimens of granite of

"the kind and quality which is used in the city of Baltimore

"for architectual purposes

"Hall of the Institute Dec 4th 1841

"The president upon taking the chair called the members
"to order when the roll was called and a quorum for trans-

"acting business appeared to be in attendance

"The minutes of last meeting read and approved

"On motion of A.B. Williamson

"Azariah L. Williamson was elected a member &

"being present complied with the further requisitions of the Con-
"stitution

"Dr John H March who was elected a member

"Sept 4th 1841 being present complied with the further requi-
"-sition of the Constitution

"A bill was received from John Otty for a bird case

made for the Museum of the Institute amounting to Seventeen

"dollars and after deducting one dollar for a ticket to attend the

"lectures leaves a balance of sixteen dollars for which the pres-

"ident is directed to draw a draft on the treasurer in his favour

"The president read a letter from D.D. Owen of New

"Harmony Indiana informing he had forwarded to the care of

"J Dobson of Phila a box of minerals for the Institute selected

"from a collection made by Wm McClure late of Mexico

"and which by his last will was directed to be distributed

"amongst scientific societies

"The president is authorized to draw a draft on the treasurer

"in favour of Dr James Bryan for fifty dollars when his lectures

"on Anatomy and Physiology are completed

"A.B. Williamson presented on behalf of J.H. Alexander

"topographical surveyor of the State of Maryland a work on the

"manufacture of Iron in that state

"Also an annual report of the Geological Survey of the

"State of Maryland for 1838-39-40 by J. T. Ducatel

"He also presented on behalf of F. R. Hassler topo-

"graphical surveyor of the U States a table of Logarithms cal-

"culated by him to seven places of decimals

"A arithmetic for schools of which he is the author

"Plates and tables to a popular exposition of the system of

"the Universe and is part of an extension work he proposes publishing

"And his report to Congress on weights and measures

"from the years 1832 to 1835 and from 1838 to 1841

"A donation was received from Wm Y Stackhouse of

"Haverford of a stone overgrown by weed found in the trunk of

"an apple tree

"From Isaac Cochran of Providence a branch of a hickory

"tree remarkable for the crooked twisted and contorted form

"in which it grew

"From the State of Pennsylvania minutes of the senate

"and house of Representatives of the State together with the

"pamphlet laws of 1841

ROBERT R. DUTTON

CHAPTER V.

Minutes 1842-1843.

"Hall of the Institute Jan 1st 1842

"The president called the members to order when the roll

"was called and a quorum answered

"The minutes of last meeting read and approved

"In consequence of a very interesting lecture about to take

"place by Joshua Hoops of West Chester the members declined

"proceeding with any further business of the Institute

"and adjourned

"Hall of the Institute Feb 5th 1842

"The president took the Chair when the roll was called &

"a quorum answered

"The minutes of last meeting read and approved

"On motion of J. Howard

"Voted that George Baker of Edgmont be a member

"of the Institute upon his complying with the further re-

"quisition of the Constitution

"Also on motion of J. Howard

"Voted that Edmund K. Edwards of Harple

"be a member and being present complied with the requisitions

"of the Constitution

"A communication was received from John Jackson of

"Darby relating to petrifications found on the Island of Antigua

"(West Indies) accompanying which was specimens of Silicious

"petrifications from that locality

"The president announced the reception of a number

"of minerals from black rock tunnel presented from Wm

"Hazel Wilson of Haverford

"J. Howard presented on behalf of George P. Alexander

"a number of Indian relics

"He also presented on behalf of Jacob G Machenry

"a singular quartz chrystal

"M. Painter presented on behalf of Pennock Edwards

"a specimen of the Gordius Aquaticus (?) preserved in alcohol

"A bill was received from John F. Frazier Esq of

"17 dollars it being for carriage hire also a bill of two dollars

"for repairing his carriage this being the only consideration he

"asks for delivering 5 lectures before the Institute on Geology

"The president is directed to draw a draft on the treasurer

"in favour of J. F. Frazier for the amount of the foregoing bills

"Hall of the Institute March 5th 1842

"The president took the chair a quorum being present

"The minutes of last meeting read and approved

"George Baker who was elected a member at

"last meeting was now introduced and ~~signed-the com-~~

"plied with the further requisitions of the constitution

"The committee appointed Feb 2nd 1839

"to enquire into the effect of the freshet in this county that

"occurred on the preceeding 26th of Januay reported accompanying

"which was papers the committee had from various persons

"detailing localeffects. The report was directed to be filed &

"the accompanying papers copied into the register

"Joel Sharpless informed he was instructed to

"enquire if the case and collections of the Middletown Lyceum

"could be deposited in the hall of the Institute to which the

"members of the Lyceum wished to remove it

"No objection was expressed they have liberty therefore

"subject to the controle of the Managers of the Institute

"A bill was received from L.G.White for 10 Dollars

"it being the consideration as agreed upon by the committee

"on lectures for 2 lectures delivered by him on Elocution

"Another bill was received from Joshua Hoops for

"7 dollars it being for carriage hire to convey him to the

"Institute to deliver 2 lectures on Astronomy and the only

"charge he makes therefore

"The President is directed to draw drafts on the

treasurer for the above bills

"A number of small apples were received from

"Baldwin Howard they being of the second growth or crop

"of last season taken from the tree in January

"Three public documents were received from J. K. Zelin

"of the Senate of Pennsylvania

"Hall of the Institute April 2nd 1842

"The president took the chair when the names of members

"were called and a quorum answered

"On motion of M. Painter

"Voted that John P. Crozier of Aston be

"amember of the Institute upon his complying with the

"further requisitions of the Constitution

"On motion

"J. Rowland and M Painter were appointed

"Auditors to settle the treasurers accounts and report to next

meeting

"The president is instructed to draw a draft on the
"treasurer in favour of Randal Bishop for 24 dollars it being
"for two years interest on a bond he holds against the Institute
"The committee appointed May 1st 1841 to take
"into consideration what alterations could be made in the
"constitution and by-laws of the Institute to render its operation
"more useful and interesting reported in favour of no alteration
"in the constitution but produced a system of by-laws in
"part embracing some of those heretofore adopted and others
"that are new
"After certain amendments had been proposed &
"agreed to it was on motion
"Resolved that the said reported system of
"by-laws with the amendments be adopted by the Institute
"for its future order and government and are as follows

"By-Laws of the Delaware County Institute of
"Science

"Article 1st

"Order of Business

"1st The president 1st vice president 2nd vice president or
"president pro.tem shall call the Institute to order at the time
"appointed for the meeting

"2nd The names of all the members shall be called by
"the Secretary when those present shall answer and their at-
"tendance be marked

"3rd The minutes of preceeding meetings not heretofore read
"shall now be read

"4th Monies due from any member may be paid to the
"treasurer

"5th Candidates for membership proposed

"6th Candidates heretofore proposed may be elected

"7th Newly elected members may be introduced and
"comply with the further requisitions of the constitution

"8th Reports of committees or managers may be made or
"called for

"9th Original resolutions may be offered

"10th Resolutions previously offered or deferred business may
"be considered

"11th Letters or written communications may be received

"12th Verbal communications may be made

13th Donations presented or announced

14th General conversations on matters proper to be discussed

"Article 2nd"Rules of Order

"1st The presiding officer shall preserve order prevent personal reflections in debate and confine speakers to the question If two members shall rise to speak at the same time he shall decide who shall proceed

"2nd In the preservation of order the decision of the presiding officer shall be imperative and obligatory unless two members shall rise and appeal to the meeting who may determine the question

"3rd The president shall appoint all committees unless on motion it be otherwise ordered

"4th The president may call a member to perform the duties of the chair for a short time when he may take part part in the proceedings of the meeting

"5th Members shall speak standing and shall address the chair and when presenting a paper shall first state its import

"6th When a motion is made and seconded it shall before debate be stated by the presiding officer

"7th The presiding officer shall not vote on questions before the Institute except to decide a question in case of an even vote or when the yeas and nays are called.

"8th Members shall not speak more than twice on the same question without permission of the meeting.

"9th A member shall not speak longer than fifteen minutes at once and shall not be interrupted except by a call to order by the president or by a member through

the president or by a member to explain

"10th Every motion or resolution shall be reduced to writing if any member desire it

"11th A motion cannot be withdrawn after it shall have been amended or while an amendment is pending

"12th A motion to reconsider must be made and seconded by members who voted in the majority

"13th If a motion or resolution contain two or more distinct propositions at the request of any member the question shall be taken on each part separately

"14th No amendment shall be received by the presiding officer which would destroy the general sense of the subject before the meeting

"15th No debate shall be allowed on a question of order unless there be an appeal from the presiding officer or it shall be referred by him to the meeting

"16th On filling up blanks the question shall be first taken on the largest sum greater number or most distant day

"17th No business before the meeting shall be interrupted except by a motion to adjourn which will be at all times in order and shall be decided without debate

"18th No rule can be dispensed with or altered temporarily without two thirds of the members present agreeing thereto

"19th All candidates proposed to be elected as new members shall be voted for by white and black balls the white ball white balls to be considered in favour of electing but the ballot box shall be so placed that each member may

"cast his vote without other members being able to discover
 "how he voted
 "20th No subject foreign to the object or purposes of the
 "Institute shall be introduced at any of its meetings and
 "party politics and religion shall be especially avoided
 "21st In ordinary cases questions may be determined
 "viva voce but a member may call for a division and
 "at the request of two members the yeas and nays may
 "be called and the result placed upon the minutes
 "22nd Any member shall have the liberty of having
 "the reasons of his vote placed-upon-file or his written
 "protest against any proceedings of the Institute placed upon
 "its files provided the same is couched in respectful
 "language
 "23rd The presiding officer shall have power to
 "regulate the deliberative proceedings of the meetings not
 "embraced in the foregoing agreeably to parliamentary
 "usages

 "Article 3rd

"New Members

"1st New members may be admitted who have
 "distinguished themselves as the patrons of the arts sciences
 "or literature or have been actively engaged in the acquisition
 "and promotion of these subjects and are above the age of 21 years.
 "years. They must be proposed by two members and the
 "nomination duly entered on the minutes

"2nd At the next meeting the candidates for membership
 "shall be voted for and if two thirds of the qualified members
 "present are agreeing thereto he shall be considered duly elected
 "3rd No candidate after his election shall be entitled to any
 "rights or privileges in the Society until he shall have paid
 "the initiation fee and signed the Constitution

 "Article 4th

"Election of Officers

"1st At the time of electing officers "annually on the first
 "Saturday in May" the meeting shall appoint two tellers
 "who shall receive the votes cast them up and report without
 "delay the officers chosen. If the members receiving the
 "highest number of votes "shall not receive a majority of the
 "whole number of votes given in" then the election shall be
 "again opened and as often repeated as necessary until
 "the whole number of officers shall be constitutionally elected
 "2nd The qualified members shall vote for officers by
 "written tickets and the tellers shall not examine them until
 "all shall have an opportunity of balloting

 "Article 5th

"Absence of Officers

"1st If the president shall be absent from any meeting
 "the 1st Vice president shall preside in his absence the 2nd
 "vice president shall succeed and if all are absent a pres-
 "ident pro.tem shall be appointed
 "2nd If the recording secretary is absent the corresponding

"Secretary shall take his place if he also is absent a secretary
 "pro.tem shall be appointed
 "3rd In the absence of the librarian from any meeting the
 "Secretary of the meeting shall officiate as librarian for the time
 "4th In the absence of the treasurer from any meeting a
 "member may be appointed to receive all monies due and paid
 "by members then in attendance and cause it to be paid over
 "to the treasurer

 "Article 6th

"Auditors

"1st Auditors shall be appointed in each year to examine
 "the treasurers ~~accounts~~ librarians and all other accounts and make
 "report thereof to the Institute on "the first Saturday in May" in which
 "report they shall give the names of the "members who shall be
 "in arrears for more than one year for any annual installment
 "fine or forfeiture"
 "2nd The Auditors shall deliver to the treasurer an account
 "from the librarians books of all monies due the Institute and
 "uncollected from each member therein named and also an
 "account of all monies collected by the librarian as well as
 "well as deliver him an account of all monies collected
 "or uncollected and due from every other source.

 "Article 7th

~~"Treasurer"~~
 "Treasurer when required shall give security
 "for the faithful performance of his duty

"2nd He shall keep separte and explicit accounts
 "between each individual member and the Institute as well as
 "between himself and the Institute
 "3rd He shall produce his vouchers exhibit his accounts &
 "settle with the auditors appointed
 "4th He shall enter in the account current of each member
 "the outstanding due the Institute on the librarians books as it
 "shall be reported to him and also enter all instalments and
 "other monies as he shall know them to become due
 "5th All special gifts or bequests to the Institute in money
 "or that which ought to be converted into money as bonds &c he
 "shall have the care of unless the same by the terms of the gift
 "or bequest be placed in the hands of trustees

 "Article 8th

"Donations & Bequests

"All donations and bequests on terms directing their
 "being applied to any particular purpose embraced in the object
 "of the Institute shall be accepted with all due fidelity be
 "so used or applied. The names of the donor amount or
 "discription of donation shall be registered in the books of
 "the Institute

 "Article 9th

"Meetings

"1st All the meetings of the Institute shall be held
 "at the Hall of the Delaware County Institute of Science in
 "the township of Upper Providence

"2nd Adjourned meetings will be held except in July
"on the first Saturdays in each intervening month between
"the stated meetings and oftener if required

"Article 10th

"Anniversary

"The anniversary of the Society shall be on the first Saturday
"of May in each succeeding year

"Article 11th

"Lecture Room

"1st The managers shall have liberty to grant the use of
"the lecture room of the Institute and contract with responsible
"persons applying therefor to be used for the benefit of the
"public in promoting by lectures & exhibitions the arts Science
"literature or agriculture

"2nd Persons applying for the use of the lecture room

"shall bind themselves to make restitution for all unnecessary
"damages the property may sustain in any way consequent on

"such use or committed by persons who may be attracted there.

"3rd If the public have free admission the applicant

"shall pay one dollar for each day or part of a day the lecture
"room is so occupied or if there is a charge for admission

"then they shall pay three dollars or one fifth of the clear

"proceeds of such charge for each day or part of a day so occupied
"as it may be previously agreed upon

"Article 12th

"Register

"The Institute shall continue their "Register of Remarkable
"Events" by adding thereto every occurrence worthy of being
"noted

"Article 13th

"Deceased Members

"The Institute shall cause a memoir or biographical notice of each
"member to be prepared who may depart this life; to be prepared
"and after being approved to have it recorded

"Article 14th

"Expulsion of Members

"1st Members may be expelled from the Institute for 1st

"not attending the meetings thereof or any of them during the

"immediately preceeding two years--2nd for attending the meetings

"and behaving in a disorderly manner or doing any other

"thing to the ~~disorderly~~ dishonour of the Society--3rd For

"abusing any privilege or trust that as members they may--

"possess or that may have been reposed in them--4th for

"disobeying the provisions of the Constitution and by laws

"2nd On a motion for the expulsion of a member he

"shall have notice to attend the next or some future meeting

"there to show cause why the motion shall not be sustained

"and if he shall fail to attend or be unable to satisfy the members

"that the charges against him are groundless a resolution of

"expulsion may pass declaring him no longer a member after

"which time all his rights interests and privileges in the Society shall cease

 "Article 15th

"Transfer of Rights

"No rights privileges or interest of a member in the Institute shall at any time be assigned or transferred to any other person or by request or order be allowed to any other person But all rights privileges and interests in the Society shall be inseperable from the member

 "Article 16th

"Library

"1st A librarian shall be annually elected chosen by ballot on the first Saturday in May and at all other times when a vacancy may occur
 "2nd It shall be the duty of the librarian to take charge of all books maps charts and drawings belonging to the Institute and cause the same to be kept in good order and aired and cleaned when necessary
 "3rd He shall not loan to one member more than two volumes at one time nor for a longer period than two months and any member neglecting to return a book within the limited time aforesaid shall be subject to a fine of one cent per day for each book for each day they may be kept beyond the period aforesaid
 "4th If any member loose or materially injure any book or books the librarian shall appraise the damages los/s

"or amount of damage and if the borrower shall feel himself aggrieved he may apply to any meeting of the Institute for redress within three months

"5th No member shall be permitted to take a book from the library who shall not have paid all instalments fines damages &c due the Institute

"6th The Institute may grant at the request of the librarian the liberty to loan any book or books to those who are not members the librarian exacting from the borrower the value of the whole work which he shall retain in his hands as security until said book or books are returned which shall be within two months or else the money shall be forfeited for the use of the Institute. And if the books shall be returned defaced or injured the damages shall be appraised and the amount deducted from the money held as security and the balance returned to the borrower

"7th The librarian shall enter in a book the names of the borrowers, the titles of the books the date when loaned the date when returned and all damages and fines

"8th The librarian may receive all fines and damages on books and shall pay the same to the treasurer and shall produce his accounts to the auditors for settlement

"9th The books shall be loaned and returned only at the time of holding the meetings of the Institute and the library shall at all times be kept in the hall of the Institute

"Article 17th"Essays

"1st The members of the Institute shall be divided by
 "the president at the annual meeting in May into ten sections
 "or classes each member of each section shall write an original
 "essay on some subject relating to literature science the arts
 "or agriculture Each essay shall occupy at least one page of
 "common sized writing paper and if approved by the Institute
 "placed on file

"2nd The members of the first section shall read their
 "essays at the meeting in June the second section at the next
 "meeting and so on until each section shall have complied
 "If any member shall at any time neglect or refuse to
 "comply and shall not render a satisfactory excuse he shall
 "pay a fine of twenty five cents

"3rd At the time of holding any meeting to which any
 "section should have produced their essays and no meeting
 "shall be held they shall be produced to some future meeting
 "that may be designated

"Article 18th"Managers

"The managers shall not proceed to) (5 new sections added
 May 2nd 1846
 (contract bills for
 "any material repairs or new work about the property
 "of the Institute without first receiving special directions
 "except upon some emergency that did not exist when
 "the Institute was last in session

"Article 19th"Specimens or Objects Presented

"1st The collection of specimens of Natural History antiques
 "models productions of art and the curiosities that usually con-
 "stitute part of such a collection shall be kept in the hall of the
 "Institute to which the public shall have access to see them at
 "such times as may be found convenient
 "2nd When any contributions or donations are made
 "of objects that it may be believed would receive additional
 "interest by some further account of their history nature or use
 "they may be referred to some member or members to make
 "the necessary inquiries and investigations who shall report
 "thereon at a subsequent meeting

"Article 20th"Patrons

"Persons not members but who have rendered important
 "assistance and aid in carrying out the objects of the
 "Institute may be elected Patrons who shall at all times be
 "admitted to the meetings of the Institute

"Hall of the Institute May 7th 1842

"The president took the chair - when the members were

"called and a quorum answered

"The minutes of last meeting read & approved

"The auditors appointed at last meeting made a

"report which was accepted and from which it appears there

"is a balance in the treasury of \$63 98 cts

"The managers made their 8th annual report which

"was accepted and directed to be offered for publication in

"each of the papers of the County

"On motion

"The name of Thomas Gracey was ordered

"to be erased from the list of members in consequence of his

"having removed to reside in Wisconsin territory

"The president announced the reception of a box of

"minerals from N Harmony Ind. it being a donation

"agreeable to the will of the late Wm McClure

"The president is directed to draw a draft on the

"treasurer in favour of Judah Dobson of Phila for 5 dollars

"it being for freight paid by him for the above box of minerals

"On motion

"J. Rowland & M. Painter were appointed

"tellers to conduct the election of officers for the ensuing

"year who after due time reported the following members

"as duly elected viz for

President, George Smith, M.D.; Vice-Presidents, John Evans and A. B. Williamson; Corresponding Secretary, Joseph Rowland; Recording Secretary Minshall Painter; Treasurer, John Miller; Managers, Joel Sharpless, James Sill, Jr., James Howard, Joseph Rowland, M. D.; and Levis Miller; Librarian, Joseph Rowland.

"It being represented to the Institute that subscriptions are

"circulating amongst the ladies of the county to raise means

"to erect a portico and paved walks in front of the Hall of

"the Institute for the better accommodation of those who may

"attend the lectures of the Institute

"On motion

"Levis Miller Joseph Rowland and M

"Painter are appointed a committee to represent the Institute

"and if it should be the desire of the contributors that the

"intended improvements should be made by the Institute

"then to attend to having the same completed accordingly

"The president divided the members into the

JACOB PAINTER

JOHN PRICE WEATHERAL

Commodore DAVID PORTER

Rev. WILLIAM M. ENGLE

"following sections or classes agreeable to the 17 article of the
"by-laws

June	Aug	Sept.
1st Class	2nd Class	3rd Class
"Minshall Painter x	James Howard	John Evans
"John Jackson	John Miller	A H Parker
"George Cummins	Lewis Levis	John D Pierce
"Thomas Pratt	James Lewis	George Baker
Oct	Nov	Dec
4th Class	5th Class	6th Class
"Caleb Ash	Joshua W Ash	A.B. Williamson
"Edward Darlington	John K Zelin	John Larkin Jr
"R. T. Worrall	Stephen D Hunter	J Howard Lewis
"Dr John H Marsh	Azah L Williamson	George Smith
Jan	Feb	March
7th Class	8th Class	9th Class
"Joel Sharpless	Jonan Richards	James Sill Jr
"John Pechin	Saml Lewis	E. K. Edwards
"George Palmer	Joseph Fairlamb	S Fairlamb
April		
10th Class		
"Joseph Rowland		
"Levis Miller		
"Thomas Reese		

"Hall of the Institute June 4th 1842

"The Institute met when the president took the chair

"Members were called and a quorum answered

"The minutes of last meeting read and approved

"M Painter from Section first read an essay on

"illumination or artificial light which was directed to

"be placed on file the other members of that section

"not being present no other essays were read

"Levis Miller presented on behalf of Benjamin

"Kirk of Radnor 4 foreign copper coins

"M Painter presented from the Hon J Edwards Esq

"a copy of the 6th census of the U States for the year 1840

"J. Howard laid on the table what he believed to be

"an undetermined species of scutellaria found in this Co

"Nailor a manufacturer of artificial eyes from

"Phila exhibited before the Institute a variety of eyes of his

"own manufacture and offering his services as a preparer

"of subjects of Natural history

"Hall of the Institute Aug 6th 1842

"The Institute Having convened the president took the
"chair when the members were called from which it appeared
"a quorum were in attendance

"The minutes of last meeting read & approved

"On motion of M Painter

"Resolved That a committee of three members

"be appointed to procure & agree with lecturers on interesting
"subjects for the ensuing winter course of lectures in the hall
"of the Institute and also make such other arrangements as
"may be necessary for its success

"When Dr. G. Smith Dr Joshua Ash and Jonathan

"Richards were appointed said committee

"The president laid on the table a species of oak from

"N Jersey with which the members were unacquainted

"He also gave an interesting account of his Journey

"through New Jersey to Cape May - having visited the locality

"on Maurice river from which the principle glass man-

"ufacturers receive their sand

"Hall of the Institute Sept 3rd 1842

"The members having convened the president took the

"chair and the roll being called a quorum answered

"The minutes of last meeting read and approved

"J. Howard & M Painter nominated Sketchly Morton

"of Ridley a candidate for membership to be ballotted for at
"next meeting

"John P Crozier of Aston who was elected a member

"of the Institute on April 2nd 1842 now being present complied

"with the further requisitions of the Constitution

"J. Howard read a published account of the agave

"americana lately exhibited at the Masonic Hall Phila. this

"gave rise to remarks on the agave and its cangeness (?) particularly

"in relation to their adeptation to be cultivated in the Southern

"States and made valuable for cordage

"J Howard presented on behalf of Franklin Johnson

"an ancient bridle bit

"John Evans presented the following minerals

"Tabular spar from Varandals quarry Bucks Co

"Salite & Scapolite from do

"Sulphate of Barytes - Inghams quarry do

"Hornstone do "

"John Pechin presented a species of slate found on

"Bunkers Hill near Boston

"From James Ronaldson (dec) a work on the State

"of Agriculture in great Britain in 1816

"J Howard exhibited apples which he calls the Pen
"apple and which was a natural fruit originating on his
"grandfathers farm in Edgmont It is highly esteemed for
"baking and is a constant and profuse bearer
"He also exhibited several varieties of tomato some
"of which was remarkable for their size he having raised
"some this season of $1\frac{3}{4}$ lb in weight
"Bills were presented from John Otta as follows
"one for repairing cases and leaning (cleaning?) the preserved specimens
"of birds &c amounting to \$10.00cts Another for making &
"painting window shutters for the Hall of the Institute
"amounting to \$75.00cts both of which were allowed and the
"president instructed to draw a draft on the treasurer in his
"favour for the respective amounts
"The members present from class third were called upon
"to produce original essays but none were read

"Hall of the Institute Oct 1st 1842
"A quorum not present no business transacted

"Hall of the Institute Nov 5th 1842
"The president being absent from the meeting J Howard
"was appointed president pro tem
"The names of members called when a quorum appeared
"in attendance
"The minutes of Sept 3rd read and approved
"Sketchby Merton who was nominated for mem-
"-bership at the meeting in September last was now elected
"a member upon his complying with the further requisitions
"of the Constitution
"A map of the world as the ancients represented it
"was received from an anonymous source
"Class 5th nor no other Section being prepared with original
"essays none were read

"Hall of the Institute Dec 3rd 1842
"The Institute met the President in the chair
"The recording Secretary being absent J Howard was
"appointed Secretary pro tem
"A quorum being in attendance the minutes of last
"meeting were read and approved
"George Miller of Providence was nominated to be
"elected a member at next meeting
"On motion it was
"Resolved that the price of white tickets be reduced
"to 75cts and green tickets to fifty cents for the balance
"of the season of lectures
"The following donations were received
"From David Green of Edgmont an ancient
"relic supposed to be an Indian pestal
"From John Griscom a work entitled a Year
"in Europe in 2 vol by himself
"From Andrew Fimple formerly of this county
"now of Bloomington Iowa a Gopher
"From Charles Richards petrified corals and/sea shells from the Mississippi

"Hall of the Institute Jan 7th 1843
"The Institute met when the president took the chair
"The roll was called when a quorum answered
"The minutes of last meeting read and approved
"Sketchly Morton who was elected a member Nov 5th 1842
"complied with the further requisitions of the constitution
"George Miller of Providence was elected a member of
"the Institute upon his complying with the further requisitions
"of the constitution
"A bill was presented from Charles B Trago for
"three dollars it being carriage hire to convey James C Booth
"to deliver a lecture at the Institute at the request of the
"committee and the only consideration he accepts
"Also one from Dr James Bryan for delivering three
"lectures before the Institute on Physiology amounting to
"thirty dollars
"The President is requested to draw drafts on our
"treasurer for the above bills
"The following donations were received
"Green Sand Stone from the State of Delaware
"presented by George Davis of U Darby
"A specimen of wood of the palm tree presented by
"Alexander Henderson of Haverford
"A one dollar Towanda note of spurious issue from
"John Williamson of Marple
"...

"Hall of the Institute Feb 4th 1843

"The Institute having convened the president took the chair

"The minutes of last meeting read and approved

"A bill was received from Alfred L. Kenedy for 50 dollars

"for delivering ten lectures before the Institute on chemistry &c

"and the president instructed to draw a draft on the

"treasurer in his favour for that amount

"A public document was received from J. T. Huddleson

"State Senator

"Also one from H. Jones Brook State representative

"On motion of M. Painter

"J. Howard was appointee to prepare an article for

"insertion in the "Register of Remarkable Events" in relation to

"the injured and singular appearance of the button wood trees

"last spring

"Hall of the Institute March 4th 1843

"The members met - The president in the chair

"The roll was called and a quorum answered

"A bill was received from John Ellis amounting to

"\$3⁵⁰ for carriage hire to convey Mr. Booth to the Institute

"to ¹⁰⁰ lecture which was allowed and the president authorized

"to draw a draft on the treasurer on his favour

"On motion of M. Painter

"Joel Sharpless and J. Howard were appointed

"auditors (to settle with the accounting officers of the Institute)

"The president produced a number of letters to be placed

"upon file of correspondence in relation to lectures of the Institute

"A donation was received from Lee P. Anderson of Cecil

"County Maryland of an Indian pipe made in form of a

"tomahawk by the Cherokee Indians

"Also one from Granville Sharp Townsend of the

"same place of a specimen of lignite from Maryland

"George Bruner of Providence presented a living hawk

(red tail) which he had recently shot but of which we have

"already a specimen preserved in our ornithological collection

"Zedekiah Flower presented the original commission

"from John Penn Governor of Pennsylvania to Henry Hale

"Graham to be prothonator of Chester County

"Hall of Institute April 1st 1843

"A quorum not having convened the meeting was not

"organized

"Hall of the Institute May 6th 1843

"At a general meeting of the Institute this day

"convened

"The president in the chair

"The names of members called when a quorum answered

"Minutes of the preceeding meeting read and approved

"J Howard on behalf of the auditors appointed

"made a report which

"On motion was accepted by which it appears

"there is a balance in the treasury at this date of \$69²¹

"They also state that the neat profits of the lectures)100

"last winter were \$53⁷⁴
100.

"J Howard on behalf of the managers

"made their 9th annual report which was accepted

"and directed to be offered for publication in the

"news papers of the county

"On motion

"John Evans and John Pechin were appointed

"to wait on Johathan Roberts of Montgomery county

"and invite him to deliver a lecture before the Institute

"at some time during the ensuing Summer

"Bills were presented as follows

"One from James R Cummins for \$10⁰ it being

"for attending as door keeper during the lectures of the
"past winter

"One from George Cummins for 50 cts it being

"cutting wood for the Institute during the past winter

"One for Wm Cummins for 50 cts it being for

"carpenter work done about the Institute

"Also one from Alexander McKeever for 3 dollars

"for publishing advertisement of Institute lectures in the

"Upland Union

"All of which were allowed and the president in-

"-structed to draw drafts on the treasurer for each account

"in favour of each person respectively

"The president was also instructed to draw a

"draft on the treasurer in favour of Randal Bishop for

"\$24¹⁰⁰ it being for 2 years interest due from the Institute

"On motion

"The president appointed Dr. Jos. Rowland

"and George Baker tellers to conduct the election for

"officers of the Institute who after due time reported

"the following officers as duly elected viz

President, George Smith, M.D.; Vice-Presidents, A. B. William-
son and John Evans; Corresponding Secretary, John P. Crozer; Recording
Secretary, Minshall Painter; Treasurer, John Miller; Librarian, Joseph Row-
land, M.D.; Managers, Levis Miller, Joel Sharpless, James Sill, Jr., James
Howard and George Baker.

"The president produced a number of letters to be placed

"on file in relation to the lectures of last winter

"John Evans planted upon the ground a tree of

"the MacLura aurantiaca (essage orange).

"Hall of Institute June 3rd-1843

"Agreeable to order the members of the Institute convened

"The president took the chair when the roll was

"called and a quorum answered

"The minutes of last meeting read and approved

"On motion

"Joel Sharpless is appointed to prepare an

"article on the effects of the frost on the 2nd Inst to be

"inserted in the "Register of Remarkable events"

"J Howard Lewis having left our county to reside

"in Wisconsin Territory in the spring of 1840 his name

"is directed to be erased from our list of members

"On motion of M Painter

"The members of the different Sections appointed

"in May 1842 who did not read original essays during

"the past year are hereby exonerated from fines imposed

"by the by laws therefor

"M Painter produced and read an article on the

"Winter of 1842-3 which was directed to be read entered

"in our "register of Remarkable events"

"The subject having escaped the attention of

"last meeting the president at this time divided the

"members into sections as directed by the by laws

" 1st Class

"Minshall Painter (report)

"John Jackson

"George Cummins

"Thomas Pratt

2nd Class

James Howard (report)

John Miller

Lewis Lewis

James Lewis

3rd Class

"John Evans

"A H Parker

"John D. Pierce

"George Baker

" 5th Class

"Joshua W Ash

"John K. Zelin

"Stephen D Hunter

"Azariah L Williamson

" 7th Class

"Joel Sharpless

"John Pechin

"George Palmer

"

9th Class

"James Sill Jur

"E. K. Edwards

"Saml. Fairlamb

4th Class

Caleb Ash

Edward Darlington

Richd T Worrall

Dr John H Marsh

6th Class

A.B. Williamson

John Larkin Jur

Sketchly Morton

George Smith

8th Class

John P. Crozer

Jona Richards

Saml Lewis

Joseph Fairlamb

10th Class

Dr Joseph Rowland

Levis Miller

Thomas Reese

"Hall of the Institute August 5-1843

"A quorum not in attendance

"Hall of the Institute Sept 2nd 1843

"The President took the chair when the roll was called and a quorum answered

"The minutes of last meeting read & approved

"M Painter from Section 1st read an original

"essay on "Soaps" which was accepted

"Joel Sharpless agreeable to appointment made a

"report on the effects of the frost that occurred so late

"as the 2nd day of June last but after some observations

"from members it was referred back to him to embody

"some additional matter

"On motion of M Painter

"1st Resolved that the Institute will endeavour

"to have a course of lectures on suitable subjects delivered

"in its hall the ensuing winter for the benefit of its members

"and the public generally

"2nd Resolved. That a committee of three members

"be appointed to engage suitable lecturers on reasonable

"terms and make the other necessary arrangements for

"said course and notify the public thereof

"Dr J. Rowland J Miller Esq and M Painter

"were appointed said committee

"A communication was received from Alfred

"L. Keneday offering his services as a lecturer

"Which communication was referred to the com-

"mittee on lectures

"On motion

"Resolved that Dr George Smith John P

"Crozer and M Painter be a committee to prepare a

"detailed account of the extraordinary fall of rain on the

"5th of August 1843 - the storm which accompanied it in

"some parts of Delaware County and particularly of the un-

"precedented rise in the waters of the several streams within

"the borders of the county - The destruction of property occa-

"sioned thereby and all other interesting and important facts connected

"with the disastrous inundations of that day

"On motion

"The treasurer is directed to notify all delinquent

"members to pay up arrearages due and report to a future

"and-report meeting the names of all those who do not

"Comply

"M Painter presented on behalf of Joseph Miller

"of Pennsgrove a number of bills that circulated as currency

"in 1814-15 and also one that was issued in 1837

"He also presented a specimen of amethystine

"quartz from Saml Carter of Edgmont

"John R. Cummins laid on the table specimens

"of green quartz

"Joseph G. Cummins also laid on the table

"specimens of green quartz

"The president announced the reception of specimens

"of colonial money from Joseph Levis Worrall of Rahner

CALEB ASH, M.D.

JAMES HOWARD

JOHN EVANS



27-12
1890
1891

"Hall of the Institute Oct 7th 1843
"The Institute met a quorum present
"The minutes of last meeting read & approved
"On motion
"Richard T. Worrall was appointed to
"prepare an article to be inserted in our Register of
"Remarkable Events relative to the facts of the loss
"by rotting of the potatoe crop of this season
"The following donations were announced from
"Capt. Isaac Engle, of this county
"A suit of armour worn by the inhabitants
"of the Marquisco Islands (query Marquesas I)
"A war implement from the Feegee Islands
"A model of a canoe with its outrigger as used
"by the Sandwich Islanders
"Resolved That the thanks of the Institute be pre-
"sented to Capt Isaac Engle for his donation of specimens
"from the South Sea Islands
"The president announced the reception of a
"copy of a work entitled History of England for the
"use of schools by Caleb Peirce presented by the author

omit

Museum in

"Hall of the Institute Nov 4th 1843
"At a stated meeting of the Delaware County
"Institute of Science
"A quorum present - The minutes of last meeting
"read and approved
"Dr George Smith presented a work entitled
"Relique Baldwinia compiled by Dr Wm Darlington of
"West Chester
"He also presented on behalf of Nathan Edwards of
"Middletown a specimen of milky quartz
"M Painter presented on behalf of Saml. Smedley of
"Middletown a specimen of brown hematite
"Several members intimated they were prepared
"with essays agreeable to our regulations but as a lecture
"was about to take place which would not afford time
"to hear them the reading of them was deferred until
"next meeting at which time members were requested
"to be in attendance as early as one o'clock

omit

P.

"Hall of the Institute Dec 2nd 1843

"At a meeting of the Institute a quorum present

"The minutes of last meeting read and approved

"On motion of M Painter seconded by J. Howard

"Wh J. Wilcox of Concord was nominated a

"member of the Institute to be voted for at a future

"meeting

"J Howard read an essay on the effects of

"Frost on Vegetation directed to be filed

"J Howard presented on behalf of Caleb Hoops

"a number of Unios (Uniola?) from Lewis dam on Ridley creek

"The President announced the reception of a number

"of Pamphlets from F. R. Hasler U States topographical

"engineer

"A.B. Williamson also presented a number of

"pamphlets on his behalf

"The Secretary is directed to make a selection of

"the most valuable pamphlets just received from Mr

"Hasler together with those formerly received and

"have them bound in one volume

"A number of relics were laid upon the table

"from Valley forge encampment ground also a number

"of Indian darts presented by Griffith & John Golder

"of Chester County

"M Painter offered the following which was

"agreed to

"Whereas at a recent lecture before the Delaware

"County Institute of Science some reasons were adduced

"to show that the African race is naturally inferior in

"intellect to the European race which point is strongly

"controverted by some of our intelligent citizens and

"Whereas it is not the object of the members of the

"Institute to be the advocates of any doctrine that
 "has not truth for its basis and particularly that which
 "(involves Physiognomy and) has an important bearing
 "upon the human race therefore

"Resolved That the managers have liberty to grant

"the use of the Hall of the Institute to any person who

"comes well recommended for ability as a lecturer

"to sustain the position that the African race of men

"is in every particular equal in intellect to the European

"race. The lecturer to confine himself entirely to the

"discussion of that subject and the lecture to be given for

"the benefit of the Institute

CHAPTER VI.

Minutes of 1844-1845.

"Hall of the Institute Jan 4th 1844
"At a special meeting of the Delaware County Institute
"of Science-a quorum present
"Sketchly Morton in the chair
"Dr. George Smith from the Committee appointed
"Sept 2nd 1843 to prepare a detailed account of the extraordinary
"fall of rain and freshet which ensued on the 5th August last
"made a report which was accepted and
"On motion it was
"Ordered that said report be published in
"pamphlet form
"A communication was received from Y. S. Walter
"of Chester in relation to the aforesaid report in which the
"following proposition is submitted to the consideration
"of the Institute viz
" ' I will print 1000 copies of the pamphlet
" ' in a workmanlike manner defray the whole expense
" ' thereof and furnish the Institute with 150 copies if they
" ' will allow me the profit accruing from the sale of the
" ' balance thereof '
"Which proposition is accepted provided
"the chairman of the Committee is allowed the privileges
"of examining, correcting and approving of the sheets as
"they pass through the press
"Agreeable to appointment of Oct 7th 1843
"R. T. Worrall submitted his remarks in relation to
"the rotting of the potatoe crop of last season But for
"want of time the reading of the remarks was deferred
"until next meeting

"Hall of the Institute Jan 6th 1844
"At a meeting of the Institute a quorum present
"The president in the chair
"The minutes of December 2nd 1843 and of the
"special meeting of January 4th 1844 were read and
"approved
"On motion of M. Painter seconded by J. Miller
"Joseph Edwards of Middletown was nom-
"inated a member to be voted for at a future meeting

omit

"Wm J. Wilcox of Concord who was nominated December
 "2nd 1843 was now elected a member of the Institute upon his
 "complying with the further requisitions of the constitution
 "The remarks of R. T. Worrall submitted at last meeting
 "were read and accepted and directed to be entered in the
 "Register of Remarkable Events.
 "The President submitted the following resolution which
 "was on motion adopted viz
 "Resolved / That each member of the Institute be
 "entitled to one copy of the report of the committee on
 "storm and freshet: and that one copy be presented to each
 "gentleman not a member of the Institute who replied to the
 "circular of the committee or who in any other way con-
 "-tributed valuable information towards making out the
 "report; one copy to each of the following institutions viz
 "The State Library of Pennsylvania, The Franklin Institute of
 "Pennsylvania, Philadelphia Library, Academy of Natural
 "Sciences of Philadelphia, American Philosophical Society,
 "The Cabinet of Natural Sciences of Chester Co, The Montgomery
 "County Cabinet, each of the public Libraries of Delaware County
 "and also one copy to each gentleman who has given one or

"more gratuitous lectures before the Institute.

"J. Miller presented on behalf of Capt Isaac Engle

"a piece of the rock on which Capt Cook stood when

"murdered by the inhabitants of "O-Why hee" in his third

"voyage in 1779 also a specimen of the overhanging rock

"at that place. the former appears to be a rock of volcanic

"origin and the latter specimen is principally composed of
 "Sublimated Sulphur - Capt Cook fell a victim to the sudden
 "resentment of the natives the cause of which has been differently
 "represented but it is presumed from a misunderstanding rather
 "than from a ferocity of disposition since more recent accounts
 "represent the inhabitants as mild and affectionate.

"Alfred L. Kenedy presented a specimen of Guano

"from the shores of the Peruvian coast used in Europe as

"a manure but the price demanded for it is too great to be

"generally introduced into the U States

"He also presented three pamphlets of the proceedings

"of the Horticultural Society of Pennsylvania

"Hall of the Institute, February 3rd 1844

"At a meeting of the Institute a quorum

"present

"The minutes of last meeting read & approved

"M. Painter offered resolutions relating to the

"procuring materials for a history of Delaware County

"which resolutions were ordered to lie upon the table

"Nathan Edwards of Middletown presented a

"beautiful chrysal of amethystine quartz.

"Hall of the Institute March 2nd 1844

"At a meeting of the Institute The president in the
"chair

"A quorum present

"Joseph Edwards who was nominated a member

"of the Institute Jan 6th 1844 was now elected a member

"of the Institute upon his complying with the further requisitions

"of the Constitution

"On Motion

"Resolved That the public lectures of this

"Institute be discontinued for the present

"The president announced the reception of 5 specimens

"of minerals from Maryland and an Indian relic from

"Lewis Williams of Chester

"Also a copy of the report of a committee of the Institute

"on the flood of Aug 5th 1844 (3) elegantly bound from V S

"Walter

omit

"Hall of the Institute April 6th 1844

"At a meeting of the Institute the president being absent

"J Howard was appointed president pro tem

"Joseph Edwards who was elected a member of the

"Institute at last meeting attended this and complied with

"the further requisitions of the Constitution

omit

← (Insert See page 122)

"Hall of Institute May 4th 1844

"At a general meeting of the Institute this day

"convened

"The president presiding

"A quorum answered to their names

"The minutes of the preceeding meeting read and

"approved

"J Howard on behalf of the Managers made their

"10th annual report which was accepted and directed to

"be offered for publication in the papers of the county

"The auditors appointed to settle with the treasurer

"made a report by which it appears there is a balance

"in his hands of \$57 87

"On motion 100

"M Painter & L. Miller were appointed

"tellers to conduct the election of officers for the ensuing

"year who after due time reported the following

"officers as duly elected viz

omit

omit

President, George Smith, M.D.; Vice-Presidents, A. B. Williamson and John Evans; Recording Secretary, M. Painter; Corresponding Secretary, J. P. Crozer; Treasurer, John Miller; Librarian, Jos. Rowland, M.D.; Managers, L. Miller, Jos. Edwards, Jos. Rowland, Joel Sharpless and James Howard.

"The president laid before the meeting a letter from

"the American philosophical Society returning thanks

"for a copy of a report of the committee of the Delaware

"County Institute of Science on the great rain storm and

"flood which occurred on the 5th of August 1843

"At a meeting of the Institute held June 3rd 1843 , Joel
 "Sharpless was appointed to prepare an article on the effects
 "of the frost which occurred on the 2nd of June 1843 which
 "articles was now produced read & approved and directed to
 "be entered on our Register

"On motion

"The President appointed Levis Miller & Joseph
 "Edwards auditors to settle with the treasurer of the In-
 "stitute and report to next meeting

"Bills were presented on account of the lectures of
 "the past winter amounting to \$125.⁰⁰~~100~~ which were
 "allowed and the president directed to draw drafts on
 "the treasurer for that amount

"The Corresponding Secretary is requested to
 "write to Alexander Dallas Bache Superintendent of
 "the Coast Survey of the U States and ascertain if there
 "is amongst the papers of Mr Hassler late Superintendent
 "any account of observations or surveys made to ascertain
 "the correct latitude and Longitude of the Hall of the
 "Delaware County Institute of Science in Penna in con-
 "formity with intentions expressed by him the last time
 "he was encamped in this county prosecuting the trig-
 "onometrical survey and if any such account shall
 "be found if he will be so obliging as to furnish the
 "Institute with a copy of it

June

"Hall of the Institute ~~July~~ 1st 1844

"At a meeting of the Institute a quorum present the
 "president in the chair

"The secretary being absent J. Rowland was
 "appointed Secretary pro tem

"The following resolution was adopted

"That Charles F Toothacre be invited to deliver

"a lecture on the subject of common school ed-
 "-ucation at the Hall of the Institute

"And that Dr C. Ash be instructed to give the
 "invitation

*Insert
 when
 noted
 on page
 121*

"Hall of the Institute August 3rd 1844

"At a meeting of the Institute a quorum

"present

"The president took the chair when the minutes

"of May 4 and June 1st were read & approved

"The corresponding Secretary forwarded a letter

"from A.D.Bache Superintendent of the Coast Survey

"of the U. States intimating that he would furnish

"the Institute with maps of that survey as they are

"published and particularly of the River Delaware

"M Painter presented on behalf of J. Painter

"a fac simile of brass plates and hieroglyphics thereon

"recently taken from a mound in the vicinity of Kin-

"-derhook Pike County Illinois

"Joseph Edwards presented a copper coin of the

"U States dated 1783 of a stamp supposed to be very

"rare it is referred to the president to make further

"investigations concerning it

"John Evans presented a cone of the stone pine

"(Pinus pinia (?)) also seed of the Ailanthus

"On motion

"Resolved That a committee be appointed

"to engage suitable lecturers on reasonable terms for a

"course of lectures to be delivered in the Hall of the

"Institute the ensuing winter and make the other

"necessary arrangements for said course and notify

"the public thereof

"Whereupon Dr George Smith

"Jonathan Richards and M Painter were appointed

"said committee

"J Howard proposed that members be

"admitted free to the course of lectures of the ensuing

"winter

"The consideration of which is referred to next

"meeting

"Hall of the Institute Sept 7th 1844

"At an adjourned meeting of the Delaware

"County Institute of Science

"The president in the chair

"The roll being called a quorum answered

"The minutes of last meeting read and approved

"The motion of J Howard at last meeting was

now considered and

"Ordered That the treasurer issue tickets of
 "free admission to the lectures of the ensuing course
 "to all the members of the Institute who are not in
 "arrears on his books
 "The Institute being informed of the decease of
 "Samuel Fairlamb a member which occurred on the
 "27th of last month
 "On motion
 "M Painter is appointed to prepare
 "a memorial or biographical notice of him agreeable
 "to the 13th Article of by-laws
 "Dr Smith read observations on the different
 "species of oak of N. America and several of those
 "of Europe which he further illustrated by 12 specimens
 "of leaves from living trees together with drawings from the
 "leaves of others
 "Jos Edwards made some observations on the
 "culture of the grape and the means of transforming
 "wild stock into valuable kinds by grafting
 "J Howard laid upon the table the fruit
 "of a seedling apple tree raised in Edgmont this gave
 "rise to considerable discussion concerning that kind
 "of fruit generably
 "J Edwards informed that the British naval
 "officers had been surprised by an experiment of the
 "very sudden destruction of a vessel at sea which
 "the inventor still keeps a secret which was followed
 "by remarks from other members on the great im-
 "provement in military tactics within the last ten years
 "The president observing that the use of fortifications
 "might be superseded by trains of explosives materials
 "fired by galvanism

"Hall of the Institute Oct 5th 1844

"At an adjourned meeting of the Institute a quorum
 "present
 "The president in consequence of indisposition being
 "absent John Miller was appointed president pro tem
 "The minutes of last meeting read and approved
 "On motion
 "Joseph Edwards is appointed to prepare an
 "article to be inserted in our register of Remarkable Events
 "on the effects of the drought and other circumstances connected
 "with the present season.
 "On motion
 "The names of John D Peirce Stephen D Hunter
 "and Joshua W. Ash were directed to be erased from our
 "list of members in consequence of their having removed per-
 "manently to reside out of the county
 "Observations were made by some members on the re-
 "cently invented Paxham gun now generally introduced into
 "the navy when J. Edwards took occasion to explain their mode of op-
 "eration and instanced the astonishing effects they are made to produce

"Hall of the Institute Nov 2nd 1844

"At a stated meeting of the Delaware County

"Institute of Science

"The President presiding

"The names of members being called a quorum

"answered

"The minutes of last meeting read and approved

"On motion of J Howard seconded by M Painter

"Milton Lewis of Newtown was nominated a

"candidate for membership to be voted for at next

"meeting

On motion of J Howard

"Ordered that the treasurer furnish the door

"keeper with a list of the members and the amount of the

"arrears outstanding from each member and also the tickets of

"admission So that when members shall liquidate their

"arrears to the Institute tickets of free admission to the

"lectures shall be delivered to the members so complying

"A communication was received from Alfred L

"Kenedy on behalf of a committee of "The Philadelphia Society

"for the Promotion of Agriculture" desiring to be furnished

"with such facts as the Institute may have collected in relation to "the

"Cause of the Potatoe Rot"

"The Recording Secretary is directed to examine our

"papers and furnish such facts as the Institute may be in

"possession of in relation to it

"Dr Smith presented to be filed a number of letters

"he had received from different individuals in relation to the

"lectures of the ensuing winter

"The managers are directed to procure a new stove for

"the lecture room in the place of the old one which is out of

"repair

"The committee on lectures informed that they had

"made arrangements with a number of lecturers for the ensuing

"course and had concluded to commence on the 23rd Inst

"Hall of the Institute Dec 7th 1844

"A quorum not in attendance.

"Hall of the Institute Jan 4th 1845

"The Institute convened the president in the chair

"The members being called a quorum answered

"The minutes of last meeting read and after

"some alterations made therein were approved

"Milton Lewis of Newtown being nominated a can-

"didate for membership Nov 2nd 1844 was now elected a

"member upon his complying with the further requisitions of

"the constitution

"Joseph Edwards who was appointed Oct 5 1844 to

"report on the effects of the drought and other circumstances

"connected with the present season made a report which was

"accepted and

"Ordered that the Recording Secretary enter it on our Re-

"gester of Remarkable events

"M Painter offered the following preamble and resolution

"which on consideration was adopted

"Whereas the keeping of cows and management of the dairy

"has become a considerable business with the agriculturists

"of our county and as the perfection of any business is fa-

"cilitated by an exchange of the knowledge and experience of

"others The Institute may subserve the public interest by bringing

"together such information as our fellow citizens may possess

"on that subject Therefore

"Resolved That each member of the Institute be

"requested to enquire and collect from his neighbours and ac-

"quaintances who may be concerned in the business the best

"practicable methods which their experience may have discovered

"in managing of dairies to be embodied in a comprised essay

"on that subject

"Levis Miller presented on behalf of John Cassin 15 pamphlets

"publications of the Academy of Natural Sciences of Philadelphia

"A donation was received from George Miller of Iowa

"Territory of the skin of the Felis rufa or bay lynx which was

"placed in the hands of James Howard to be prepared for the case

"A donation was received from Meeker Harris of

"Galena Illinois consisting of Kinnekennick an article

"smoked by the Indians of the Upper Mississippi and prepared

"from the bark of the willow

"Jerked Elk or the flesh of the Elk dried and preserved

"without the use of salt a mode practiced by the Indians to preserve

"their provision

"Also a lump of sugar made by the Indians of the Upper

"Mississippi from the sap of the Maple tree

"M Painter presented on behalf of Samiel Crozier a piece

"of iron cut from the peace maker which exploded on board the

"Princeton near Alexandria

"He also presented on behalf of Jacob Painter the

"Chromate of iron from Lancaster county

"Also from Ellis Sharpless of Middletown a cucumber

"which grew in a glass vial preserved in spirit

"The managers having procured a stove as directed at

"last meeting and produced a bill amounting to fifteen dollars

"An order was directed to be drawn in favour of Levis Miller

"for that amount

"Hall of the Institute Feb 1st 1845

"Agreeable to order the Institute convened a quorum

"present the president in the chair

"The minutes of last meeting read and approved

"M Painter agreeable to appointment of Sept 7th 1844

"produced a biographical notice on our late fellow member

"Samuel Fairbank which was approved and

"The Recording Secretary having procured a suitable book

"he is directed to record the above notice therein

"A communication was received from the Downing-

"town Franklin Library Company returning a vote of thanks to this

"Institute for a copy of the report of the committee on the

"great rain storm and flood of the 5th of August 1843

"On motion of M Painter

"1st Resolved That the Institute will endeavour

"to collect all antique objects that can be readily preserved in

"Our Museum such as ancient books pamphlets newspapers

"and manuscripts on all and every subject. All the constitutions

"by-laws minutes and other books and papers belonging to any

"religious moral political literary or other society that may

"have existed in our county at any former period. Also

"ancient costumes which fashion or usefulness no longer approve

"All ancient implements or utensils once in use and all

"sculptures paintings and other objects ~~once-in-use~~ associated wi

"with olden times

"2nd Resolved That the Institute will en-

"deavour to collect all books pamphlets maps manuscripts or

"extracts from them and all traditional accounts of the

"early and present history of Delaware County to be used in

"preparing a full and perfect history of the county ~~(to-be-used~~

"~~in-preparing-a-full-and-perfect-history-of-the-county)~~ and be published

"when matters shall have sufficiently accumulated

"3rd Resolved . That the Institute will endeavour

"to collect the public documents relating to either our general or

"State government to be added to those we already possess to

"be used preserved for future reference Also the speeches or

"the members of congress and our State legislature and that

"our representatives in either legislative departments of our

"governments be respectfully solicited to assist us to form such

"a collection

"4th Resolved That our fellow citizens generally

"be and they are respectively requested to assist us in bringing

"to notice and forwarding for preservation the objects embraced

"in these resolutions remembering that such things will in-

"crease in value the longer they are preserved

"On motion

"Resolved that Joseph Edwards be appointed
 "to make observations on the changes of the weather of the
 "present year and make a summary report thereof to the
 "meeting in January next and also all such other changes
 "that may take place in the county that he may think worthy
 "of preservation to be entered in our register
 "It having been represented to the Institute that Wm
 "Bishop of Edgmont has been in the practice of keeping for a
 "number of years past a memorandum of occurrences which he
 "deemed worthy of preservation and the Institute being desirous
 "of possessing, all such information previous to the commencement
 "of "the Register of Remarkable events" which it now keeps. Therefore
 "Resolved That James Howard be appointed to apply
 "to his neighbor Wm Bishop and respectfully request on
 "behalf of the Institute a copy of such memorandum as are of
 "a general or useful character to be filed with other papers of
 "the same kind for future reference

"Levis Miller presented on behalf of Jacob Parry of Ridley
 "Indian relics found in excavating for a rail road in the State
 "of Georgia

"M Painter presented 66 congressional documents
 " 37 documents of our State legislature
 " 16 pamphlets of public speeches
 " 16 miscellaneous pamphlets

"During the discussion amongst the members the
 "circumstances of so many cows belonging to the numerous dairies
 "in our county loosing their calves before the usual time of
 "gestation was alluded to when Dr Smith took occasion to remark
 "he thought our citizens would not loose less than 50,000 dollars
 "by it if it continued to prevail and from the remarks generally
 "it appeared the disease was spreading and no remedy known
 "to arrest its progress.

"Hall of the Institute March 1st 1845

"At a meeting of the Institute the president in the
 "chair a quorum being in attendance

"The minutes read and approved of last meeting

"On motion of J. Howard and M Painter

"Joan A Broomall Esq of Chichester was nominated

"a member to be voted for at a future meeting

"On motion

"Resolved that auditors be appointed to
 "examine the treasurers and librarians accounts as well as
 "the accounts of the committee appointed to erect a portico
 "in front of the Hall of the Institute by funds raised by the
 "ladies of the county for that purpose and make report
 "thereof to the general meeting in May next

"Whereupon the president appointed Joseph Edwards

"and Levis Miller

"Ordered--That the Recording Secretary commence two

"two separte files one for papers received by the Institute

"relating to the civil and political history of this county and
"the other for papers on the natural history of the county

"On motion

"Ordered that John Miller take in charge

"to procure on behalf of the Institute all the pamphlet laws
"census of 1840 legislative journals &c from the prothonotary
"and commissioners offices to which the Institute is by law
"entitled and that he is hereby authorized to receipt for the
"same and have them deposited in our library and that

"he is further authorized to apply from time to time for all
"such publications whenever they may be secured at the offices

"A bill was received from Amos Bishop on account

"of sawing lumber for the Institute amounting to \$6⁷⁵/₁₀₀ which
"was allowed and the president directed to draw a draft on the
"treasurer for that amount

"L. Painter presented on behalf of Benj P Robinson

"of Middletown three copper coin

"Three public documents were received from J Larkin our
"representative in the State legislature

"Bennett Temple of Aston presented to the Institute 2 coper
"coin

"A copy of a discourse before the Philadelphia Agri-

"-cultural Society by Dr Wm Darlington MD was received

"from Alfred L. Kennedy of Philadelphia

"Hall of Institute April 5th 1845

"A quorum of members not having convened no business
"transacted

"Hall of the Institute May 3rd 1845

"At a Stated Meeting of the Delaware

"County Institute of Science

"A quorum present the president in the chair

"John M Broomall who was nominated a

"member March 1st 1845 was now elected and being
"present complied with the further requisitions of the
"Constitution

"M Painter read a biographical notice of

"our late Patron James Ronaldson (dec) which was

"approved and directed to be entered on our records

"

"of deceased members

"On motion

"Proceeded to the election of officers for the

"ensuing year and appointed S. Morton and J. --

"Broomall tellers to conduct the election who after due
"time reported the following officers duly elected

President, George Smith, M.D.; Vice-Presidents, John Evans and A. B. Williamson; Recording Secretary, M. Painter; Corresponding Secretary, John M. Broomall; Treasurer, John Miller; Managers, Levis Miller, Joseph Rowland, Joel Sharpless and Joseph Edwards; Librarian, Joseph Rowland, M.D,

"George Cummins presented a machine for polishing of minerals

"Dr George Smith presented an ancient chair supposed to be brought from Wales in the early Settlement of the country

"A copy of the census of the U States for the year 1830

"Also a treatise on astronomy and Geography by

"Joseph Moxan (?) and printed in 1670

"A copy of the deed of trust constitution and bylaws

"of the Philadelphia Cemetery was received from Richard

"Ronaldson of Philadelphia

"Sketchly Morton presented three ancient deeds

"dated 1700 - 1703 and 1721

"The auditors as directed not being prepared to report

"on the state of our finances are continued to report at next meeting

"The managers not having reported to to this

"meeting as they are required to do they are requested

"to report to next meeting relative to the concerns of the

"Institute

"(Hall of the Institute

"(June 7th, 1845

"At a meeting of the Institute a quorum present

"The minutes of last meeting read & Approved

"A report was received from the Auditors by which

"it appears their is a balance in the hands of the treasurer of

"of \$79 ²/₁₀₀ and that there is an outstanding due the In-

"stitute of \$57 ⁹/₁₀₀

"They also report a balance in his hands on account

"of the funds raised by the ladies of the county for building a

"portico in front of the Hall of the Institute of \$1 ⁹⁴/₁₀₀

"On motion

"The president is directed to draw a draft

"on the treasurer in favour of Randal Bishop for fifty

"Dollars it being in part payment for the principle of a bond

"of two hundred dollars he holds against the Institute

"Also one in favour of James R. Cummins for six

"dollars it being for his attendance as door keeper &c at the

"lectures of the past winter

"And also one in favour of John Miller for \$49 ⁵⁰/₁₀₀

"it being for bills paid by him the present winter on account

"of the lectures

"On motion of M Painter

"Resolved that the 17 article of the by laws of

"the Institute be and it is hereby repealed and that the

"remaining articles change their numerical order
 "accordingly
 "On motion
 "Ordered that 100 copies of the Constitution
 "and by laws be printed for the use of the Institute and
 "the president is requested to attend to having it correctly
 "executed
 "The president on behalf of Wm Eyre Jr presented
 "an English half penny dated 1731
 "The managers not yet being prepared to make
 "their report of the progress of the Institute for the year ter-
 "minating the 3rd day of May last are requested to produce
 "it to next meeting

"Hall of the Institute)
 "August 2nd 1845)
 "No quorum not present

"Hall of the Institute
 "September 6th 1845
 "At an adjourned meeting of the Institute the
 "President took the chair
 "When the members were called and a quorum answered
 "The Minutes of Last meeting read and approved
 "On motion
 "Ordered that the managers attend to having

"the line fence renewed or repaired between the lot of
 "the Institute and the adjoining ground in the occupancy
 "of George Litzenburg
 "Two papers were received from George Miller and
 "read, in relation to the early history of our county they were
 "directed to be placed upon our historical file
 "John Evans presented the following specimens
 "Precious Serpentine from Lancaster County
 "Picrolite " "
 "Carb. Magnesia " "
 "Chromate of Iron " "
 "Agate " "
 "Carb. of Lime Jackson Quarry W Grove
 " " Chester County
 " Cinder and Scoria from Kunsies Anthracite furnace.
 "near Sping (Spring) Mills Montgomery County
 "Oolite a small specimen taken from one of the
 "land marks originally planted to designate
 "Masons and Dixons line between the states of
 "Maryland and Pennsylvania
 "The President as requested at last meeting informed
 "he had attended to having 100 copies of our constitution &
 "by laws printed and that they are now ready for the
 "use of members
 "Joseph Edwards laid upon the table the fruit of
 "the Isabella grape raised from grafts inserted on wild
 "grape stock 16 months since which mode of culture
 "he finds to succeed well

"J Howard laid upon the table the fruit of a
 "seedling apple tree raised in Edgmont which took the
 "first premium for natural fruit at the horticultural ex-
 "hibition in 1843 and named by the Pennsylvania
 "Horticultural Society the Howard apple
 "A bill was received from Y. S. Water (Walter)
 "amounting to twelve dollars for printing 100 copies of our
 "constitution and by-laws which was allowed and
 "the president directed to draw a draft on our treasurer
 "in his favour for that amount

"M Painter made observations on the mines of
 "Chrome situated in Lancaster County some of which he
 "had lately visited in company with J Evans another memb
 "of the Institute. From which it appears the principal
 "mines exist in the serpentine in Nottingham in Chester
 "County and in Little Britain and Fulton townships in
 "Lancaster County embraced in a distance of 8 or 10 miles
 "There are many small openings but the chief quantity is
 "obtained from 5 or 6 mines several of them being upwards
 "of 120 feet deep the vein vary from 6 inches to 6 feet in width

"and are continually varying as they descend. Isaac Tyson
 "is the owner of one mine situated near the Octorara creek
 "in little Britain and called the Wood mine which has
 "probably produced him \$75,000 he is also the lessee and
 "owner of some of the other best mines and exports to
 "England the far greater part of all the chrome mined
 "which is mostly used in making the Chromate of Potash
 "Another method of obtaining the ore is by washing

"the sands found along the streams and ravines issuing
 "from the serpentine The lighter matter is made to float off
 "while the ore is small particles subsides to the bottom
 "The washing of the sands of the streams for chrome was
 "only commenced 5 or 6 years ago while the mining process
 "has been in operation for 20 years. The aggregate amount
 "of ore mined and washed for the last year is between
 "1500 and 2000 tons the price paid for the
 "right to mine and wash is five dollars per ton and
 "the price for the ore on the ground varies from 18 to
 "20 dollars per ton as to quality

"A general conversation took place in relation
 "to the culture and preservation of peach trees and from
 "all that was elicited although the raising of peach trees
 "is extensively carried on in a part of our county yet no
 "certain method has yet been discovered to protect them
 "against the ravages of worms and disease

"J. Evans observed that the manufacture of Iron
 "is being extensively introduced into Montgomery County
 "the quantity and quality of the ore there being particularly
 "favourable as well as the location for obtaining an-
 "thracite coal on the most reasonable terms by means
 "of the public improvements down the Schuylkill valley
 "M Painter suggested that as the holding of exhibitions
 "was confessed to have a salutary effect upon many branches
 "of business whether the holding of an exhibition at the hall
 "of the Institute of the productions of agriculture manufactories
 "and the mechanic arts of our county might not be attended
 "with beneficial effects but it was thought the signs
 "of the times was not favourable to such an undertaking

. LEWIS KIRK

L. Kirk
6

LEVIS MILLER

See page 100

"Hall of the Institute
"October 4th 1845
"The Institute convened pursuant to order the
"President in the chair
"The names of the members were called those
"in attendance marked a quorum being present
"The minutes of last meeting read and after
"receiving corrections approved
"On motion of John Evans seconded by J. Miller
"Edward B. Weatherall of Radnor was
"placed in nomination for membership to be voted
"for at next meeting
"On motion of M. Painter
"Joel Jackson of Lancaster County was
"elected a ~~member~~ correspondent of the Institute
"Also on motion of M Painter
"Wm Jackson Esq of West Grove Chester
"County was elected a ~~member~~ correspondent of the Institute
"The Corresponding Secretary is directed to inform the
"several correspondents of their election
"J Miller Esq laid upon the table a copy of the
"pamphlet laws of the State of Pennsylvania for the year
"1844 to which we are by law entitled
"M Painter presented on behalf of Jesse Taylor
"of Middletown a nodule of flint from the chalk formation
"of England
"Azariah L. Williamson presented a copy
"of "Observations on Cæsars Commentaries by Clement
"Edmonds 1 vol printed 1604
"Also a copy of the Principles and Acts of the Rev-
"olution in America by H. Niles in 1 vol
"The President took occasion to observe that Llyle
"the European geologist did not recognize the green sand
"of New Jersey as being of the same formation with the
"Green Sand of Europe as was believed by some American
"geologists
"Observations were made in which the members
"generally participated on the geology of our county and
"more particularly in relation to the dykes and beds of
"serpentine found in it
"It was announced that from recent publications
"it appeared there was chalk discovered somewhere to the
"West. Such a formation it was heretofore believed did
"not exist on this continent although the strata that
"usually accompany it had been known to exist here
"J. Edwards laid upon the table the fruit

omit

over

"of two varieties of native grape which he considered
 "possessed superior qualities one of them was a white
 "grape the scion of which he had engrafted on a Fox
 "grape stock 19 months since and which was believed
 "by the members to be justly entitled to a rank amongst
 "the better varieties of cultivated grape
 "He also laid upon the table a quantity of the
 "fruit of the Issabella grape of an excellent quality
 "M Painter commenced reading notes which he
 "had prepared some years since on rural and domestic
 "Economy and after sometime spent therein deferred
 "reading the remainder to a future occasion

"Hall of the Institute

"November 1st 1845

"At a stated meeting of the Delaware County

"Institute of Science

"The president in the chair

"The names of members being called a quorum

"answered

"The minutes of last meeting read and approved

"Edward B. Weatheral of Radnor who was

"nominated at last meeting was now elected a member

"upon his complying with the further requisitions of

"the Constitution

"John Miller presented on behalf of Sarah L. Miller
 "shells from the cretaceous formation of New Jersey, specimens
 "of lime stone and marle from Salem N Jersey also an
 "Indian relic found in Upper Providence Del. Co.

"John Evans presented a specimen of clay from
 "the bottom of the lime stone cavern lately discovered at
 Port, Canada on the Schuylkill Mont Co

"Dr George Smith presented a specimen of
 "Candalura cristata (?) or star nosed mole also several
 "organic remains from the cretaceous formation of
 "New Jersey

"He also presented on behalf of our correspondent
 "John Cassin of Philadelphia No 7 and 8 of Vol 2nd of
 "the proceedings of the Academy of Natural Sciences of Phila

"J Evans informed he had recently seen the
 "newly discovered cavern at Port Canada it in shape

"much resembled the inside of an oven in length

"feet and breadth feet it had neither sta-

"-lagmites or stalactites the floor being covered with clay

"and the walls and ceiling being perfectly smooth

"He also exhibited the kind of plates he had

"used the last summer to keep a galvanic circuit in

"the ground at the roots of growing plants to test their

"efficacy in promoting a more vigorous growth but he

"had observed little if any benefit from their use or

"result different from what public journals had given us

"to expect

"The president on behalf of our fellow member

"Joshua W Ash MD (he not being present) submitted
"a plan he had in contemplation for constructing a new
"map of Delaware County and requesting the cooperation
"of the members of the Institute(c)
"M Painter submitted for consideration a plan
"for yearly exhibitions of the most perfect and finished
"products and results of the different branches of business
"and industry in the county. The exhibition to be held
"at the hall of the Institute sometime in the month of
"October the articles to be arranged by 10 o'clock AM
"for exhibition (spectators to pay an admission fee) at
"3 oclock P M the fair or sale to commence of those
"articles which owners may desire to part with. If the
"owners of any articles shall incline to contribute the proceeds
"of the sale of their articles towards raising a fund for the
"purpose of awarding premiums in future that as well
"as the proceeds of admittance fees of spectators to be kept
"as a separte fund for that purpose and defraying the
"other expenses of the exhibition. Certificates of merit to
"be awarded by committees appointed from the citizens
"in general to decide on the several articles entered for
"competition - several of the members expressed themselves
"on the probable result of such an exhibition
"M Painter resumed the reading of his notes on
"Rural and Domestic Economy and after some time
"spent therein deferred the remainder to another opportunity

"Hall of the Institute

"December 6th 1845

"At an adjourned meeting of the Institute a quorum
"present

"The Rev Wm W Woodward having the use

"of the lecture room of the Institute the members declined
"to proceed to business to enable them to attend the
"very interesting Lecture about to be delivered on the
"subject of Light

CHARLES G. OGDEN

Ch. G. Ogden
8

CHAPTER VII.

Minutes 1846-1847.

omit

"Hall of the Institute

"January 3rd 1846

"At a meeting of the Institute the president

"in the chair

"The names of members being called a quorum

"answered

"The minutes of former meetings not heretofore read

"were now approved

"On motion of M Painter

"Obed Baily MD of Colerain township

"in Lancaster county was elected a correspondent of the

"Institute (address Andrews bridge P office)

"And on motion of J. Edwards

"Azariah H Banes of Lima Del. County

"was elected a correspondent

"The corresponding Secretary is directed to inform

"the correspondents just elected thereof

"J Edwards under appointment of Feb 1st 1845

"now made report on the state of the weather for the

"past year which was directed to be recorded in the

"Register of Remarkable Events

"On motion

"J. Edwards was again appointed to make

"a report in January next on the state of the weather of

"the coming year and also of such other changes that

"may take place in the county of material occurrences to

"be entered in our Register of Remarkable Events

"

omit

"Hall of the Institute

"February 7th 1846

"At an adjourned meeting of the Institute a quorum

"present

"The president in the chair

"The minutes of last meeting read and approved

"On motion of J. Edwards

"J. Edwards and M. Painter were appointed

"a committee to enquire into the expediency of having a

"public exhibition at the Hall of the Institute some time

"next fall of the various products of the county and make

"report to next meeting

"A donation was received from James Neald of N

"Providence of a specimen of Sulphuret of Lead
 "No 9. 10. 11 and 12 of Vol 2nd of the proceedings of the
 "Academy of Natural Sciences of Philadelphia was received from our
 "correspondent J. Cassin of Phila.
 "

"Hall of the Institute

"March 7th 1846

"At an adjourned meeting of the Institute - The

"President and vice presidents being absent

"On motion

"Joseph Edwards was appointed president

"pro tem

"The minutes of last meeting read & approved

"The committee appointed at last meeting

"on the subject of a public exhibition to be held at the

"Hall of the Institute next fall made report the consid-

"eration of which was referred to next meeting

"The Rev W. W. Woodward having the use of the

"Lecture room to illucidate the principles of the magnetic

"telegraph the members declined to proceed further with business

"and

"Adjourned to meet the 16th Inst

"Hall of the Institute

"March 16th 1846

"Persuant to adjournment the Institute convened a

"quorum present

"The president in the chair

"The minutes of last meeting read and approved

"On motion

"Samuel Parke Esq of Lancaster and

"Isaac S Burrell also of Lancaster were elected cor-

"respondents and

"Ordered - that the corresponding secretary inform

"the above named gentlemen of their election

"On motion

"Resumed the consideration of the report

"made at last meeting from the committee appointed to

"consider the propriety of the Institute granting the use of the

Hall &c to accommodate a public exhibition next fall

"The report was accepted and the accompanying resolutions

"after receiving alterations and amendments were

"adopted and are as follows

"First Resolved That it is expedient to grant the use

"appropriate the use of the Hall of the Institute to the

"exhibition of the proceeds of the Dairy Agriculture Horticulture

"the manufacturing and mechanic arts and all other dis-

"tinguished by the application of good management economy

"ingenuity and skill whether useful or ornamental

"Second - Resolved That to insure success in the experiment



HOME OF THE
DELAWARE COUNTY INSTITUTE OF SCIENCE

No. 10 South Avenue
Media, Penna.
1900

P

SAMUEL P. RUSH

Ms. A. 9. 2. 1. 1. 1.

"a small admission fee is requisite from visitors as the
"basis of a fund from which the expenses of the exhibition may
"be first paid and the balance remain in the treasury to be
"appropriated as premiums at a future exhibition
"Third Resolved That a committee be appointed to prepare
"a code of rules and regulations for conducting such exhi-
"bition and report the same to a future meeting
"Fourth Resolved That the (10. 11 & 12 day of September)
"next be appointed for holding the first annual exhibition
"and that public notice and invitation be given to our citizens
"generally to prepare for the occasion that it may be made
"worthy of the public spirit ingenuity and enterprise of our
"county
"Fifth Resolved that a committee of (6)
"members be appointed to make suitable arrangements
"for receiving and disposing the articles intended for
"exhibition in a manner best calculated to display their
"appropriate characters and excellence and to have the
"general superintendence of the exhibition
"Sixth Resolution That the sum of (25) dollars
"is hereby appropriated from any money in the treasury to
"carry the foregoing resolutions into effect
"A committee consisting of J. Edwards S Morton
"and R. T. Worrall were appointed agreeable to the third
"resolution to draft a system of rules to govern the exhibition
"And the blanks of the 4th 5th and 6th resolutions were
"not filled at this time
"A communication was received from Jacob Painter

"on the subject of notation together with a new system
"of charactersto represent numbers
"The secretary submitted an abstract which he had
"prepared from our minutes of the past year which was
"directed to be offered for publication

"Hall of the Institute

"April 4th 1846

"At an adjourned meeting of the Institute

"The President and vice presidents being absent

"Levis Miller was called to the chair

"The roll was called when a quorum answered

"The minutes of last meeting read & approved

"On motion of M. Painter

"Auditors were appointed to examine the

"fiscal affairs of the Institute and report to next meeting

"viz M Painter & Joseph Edwards

"On motion of J. Edwards

"A committee was appointed consisting of

"J. Edwards J. M. Broomall M. Painter and Levis

"Miller to enquire into the propriety of admitting Ladies

"to become members of the Institute and if believed

"to be advisable then to prepare the necessary rules

"for their admission and make report thereof

"to a future meeting

"The corresponding secretary was requested to write to
 "our representative in congress and respectfully request
 "him on behalf of the Institute to forward a portion of
 "such seeds as may be remaining in the patent office for
 "distribution

"Hall of the Institute)

"May 2nd 1846)

"At a stated and anniversary meeting of the Institute
 "a quorum being present

"The president in the chair

"The minutes of last meeting read and approved

"The treasurer being absent the recording secretary

"was appointed to receive any money paid and due from

"members and forward it to the treasurer

"The Auditors appointed at last meeting made

"a report which was accepted by which it appears there

"is an unexpended balance in the hands of the treasurer of

"\$11.27 due the Institute and that there is also outstanding

"instalments due of ninety-four dollars

"The committee appointed at last meeting to

"enquire into the propriety of admitting ladies members of the

"Institute made a report which was accepted and the accom-

"panying proposed additions to the 3rd article

of By laws after

"receiving some alterations were agreed to and are as
 "follows

"Section 4th Ladies not under the age of 16 years

"may be admitted to membership agreeably to the provisions of

"the 1st 2nd and 3rd sections of this article not exceeding six in

"number and others proposed by two thirds of the female

"members present and receiving the assent by vote of two thirds

"of all the members present at a subsequent meeting

"Section 5th Female members when duly elected and

"qualified shall be entitled to all the rights and privileges

"in the Society except holding office and voting on questions affecting

"the corporate rights of the Institution

"J. Edwards on behalf of the Managers made a report

"which was accepted and directed to be placed upon file

"J. Edwards offered the following preamble and By

"laws for a better organization of the managers to precede

"the 1st Section in the 17th article of the by laws which were

"agreed to

"Whereas the 8th article of the third chapter of the

"Constitution requires the managers to take charge of and

"keep properly arranged all property of every description

"(money excepted) belonging to the Society and imposes upon

"them the additional duty of reporting annually on the condition

"and prosperity of the Society and suggesting such improve-

"ments as may occur to them" And the 11th article of the

"by laws authorize the managers "to grant the use of the

"Lecture room of the Institute for certain purposes " under

"conditions and restrictions precisely enumerated and

"drawn and by implication for none other. And "the
"17 article restrains the said managers from contracting
"any material repair as new work upon the property of the
"Institute without first receiving special directions from the
"Institute unless under pressing emergencies &c" Thus constituting
"them the exclusive acting organ and agents in a department
"of considerable importance to the Society

"And Whereas the Managers so charged and restricted have
"heretofore performed to some extent those several duties
"without the means of concert or mutual advise and as-
"-sistance and have frequently encountered individual res-
"-ponsibility reluctantly or failed altogether in performing
"the duties devolving upon them from inability to arrive
"at and enforce a decision when in their separate
"judgments the Interests of the Institution has required it
"and are without the necessary organization to enable them
"to communicate formally with the Institute as contemplated
"by the said constitution and by laws

"Therefore to give the necessary efficiency to the managers
"in the performance of the duties assigned them in the Con-
"stitution and by laws of the Society the following sections
"are proposed as an amendment to and to precede that
"contained in the 17th article of the By laws

"Section 1st The managers or a majority of them
"shall within forty days after their election (of which they shall
"be duly notified by the recording secretary of the Society)
"meet at the Hall of the Institute and elect by a majority
"of their members present a chairman and secretary to

"serve until the next annual election of the Society or
"until successors shall be chosen (of which election the Institute
"shall be informed at the next meeting) whose duty it shall
"be to conduct the businesss appropriately before them as
"nearly agreeably to the "Order of businesss" and the "rules of order"
"directed under the 1st and 2nd articles of the by laws of the
"society as circumstances will admit

"Sect 2nd The meetings of the managers thus constituted
"a board shall be held at the hall of the Institute on the
"first Saturdays of August November February and May of
"every year and at such other times to which it may
"adjourn

"Sect 3rd Committees of the managers shall be charged
"by the board with the several duties devolving upon it
"who shall report upon the same respectively to its next
"meeting but all communications or correspondence
"with the Institute shall be the act of the board and
"signed by or endorsed addressed to the chairman

"Sec 4 The Secretary shall keep a correct record of the
"transactions of the board and pass it to his successor
"when appointed

"On motion

"The blank in the 4th resolution relative
"to the public exhibition adopted March 16th 1846 was
"filled by inserting "10, 11 & 12 of September" as the time fixed
"for holding said exhibition

"The corresponding Secretary agreeably to instructions
"of last meeting addressed a note to our representative in

"Congress and received through him from the patent office
 "of the U States 47 packages of seeds which was distributed
 "amongst the members present with the understanding they
 "would have them planted this spring and preserve the
 "seed produced for further distribution on some future
 "occasion

"On motion

"Voted that the ~~thanks~~ corresponding Secretary
 "return the thanks of the Institute to Mr Yost for his
 "attention to forwarding the seeds

"A number of specimens of green feldspar were
 "received from John H. Smedley of Middletown

"Two copper coin were received from Abm L
 "Smith of U. Darby

"A specimen of printing made for the use of
 "the blind was presented by the president

"A specimen of anastatic printing was received
 "from Y. S. Walter of Chester

"On motion

"Proceeded to the election of officers for
 "the ensuing year and appointed John M Broomall and
 "John Pechin tellers who after due time reported the
 "following officers as duly elrcted viz

President, George Smith, M.D.; Vice-Presidents, Sketchly Morton and
 John Evans; ~~Recording~~ Secretary, Minshall Painter; ~~Corresponding~~ Secretary,
 John M. Broomall; Treasurer, John Miller; Librarian, Minshall Painter;
 Managers, Joseph Edwards, Levis Miller, Azariah L. Williamson, James Howard
 and Joseph Rowland, M.D.

"On motion

"Resolved . That the adjourned meetings
 "of the Institute in future be held on the first thursday
 "(fifth day) of each month

"Hall of the Institute)

"June 4th 1846

"At an adjourned meeting of the Institute a

"quorum present

"The president took the chair and roll called

"The minutes of last meeting read and approved

"Joseph Edwards on behalf of the committee

"appointed March 16th, 1846 under the third resolution

"relative to the public exhibitions to be held in the fall

"made the following report which was accepted and the resolutions adopted

"The committee appointed to prepare a

"code of regulations to govern the exhibition proposed

"to be held at the Hall of the Institute on the 10th 11th

"and 12th of September next-respectfully report

"That in all similar exhibitions the custom

"has obtained of placing in the hands of the Committee

"on exhibitions the duty of making such rules and

"regulations as circumstances may warrant and your

"committee are of the opinion that it would be

"proper in the present case. The following resolutions ~~are~~

"are respectfully submitted

"1st Resolved that public notice and invitation

"be addressed to the citizens of Delaware County by the

"committee appointed to superintend the exhibition

"setting forth the objects of the Institute the rules by

"which it will be governed and the probable ad-

"vantages to result to those patronizing the exhibition

"either as contributors or visitors and also the depende(?)

"which a continuance of the exhibition may have on

"the public spirit which may be manifested by the

"citizens generally in carrying it to a satisfactory and

"successful result

"2nd That the said committee is required to

"make suitable arrangements in the Hall of the Institute

"for the reception and display of all articles intended

"for exhibition requiring protection from exposure and

"to procure in the vicinity accommodations for live stock

"and such articles and implements as cannot be con-

"veniently accommodated in the building on terms as

"favourable and convenient for the owners as practicable

"but wholly at the risk of the latter

"The blank in the 5th Resolution on exhibition

"was directed to be filled with the number Six

"and on motion

omit

"The President appointed the following
 "named persons the committee referred to in that resolution
 "viz Joseph Edwards Mingshall Painter Sketchly Morton
 "John Miller James Howard Azariah L. Williamson
 "& Richard T. Worrall
 "And on motion
 "The committee was increased by the addition of the
 "name of Levis Miller
 "On motion
 "The blank in the 6th Resolution in the
 "series alluded to above, was directed to be filled with
 "the sum of twenty five dollars
 "A large specimen of coral was received from
 "Stephen Cloud of Bethel
 "An article purporting to be a puzzle purse
 "was received from

"Hall of the Institute
 "August 6th 1846
 "This being the time for holding an adjourned meeting
 "of the Institute but a quorum was not in attendance
 "no business transacted

"Hall of the Institute
 "September 3rd 1846
 "At an adjourned meeting of the Institute the
 "President in the chair when the roll was called and
 "a quorum answered
 "The minutes of last meeting read and approved
 "The managers report that in an interview
 "with George Litzenburg and wife they mutually
 "agreed that in future the Institute should mend that
 "part of the line fence extending from George Cummins
 "line to a stake placed in the line ~~between~~ one half the distance
 "of the whole length of said line between the land be-
 "-longing to the said George Litzenburg and wife and
 "that of the lands belonging to the Institute and the said
 "Litzenburg to mend and keep in repair the other part
 "of said line fence
 "And they further report that they have caused
 "a new post and rail fence to be erected on said line
 "for a considerable distance along said division and
 "caused the remaining part to be well repaired
 "For which Joseph Edwards presented a
 "bill on behalf of the managers amounting to \$19 ⁴⁹/₁₀₀
 "which is allowed and the president instructed
 "a draft on the treasurer in Josephs favour for to draw
 "amount that
 "A copy of the pamphlet laws for 1846 was
 "received from the state
 "Adjourned to meet the 12th Instant at 2 o'clock

"Hall of the Institute

"Sept 12th 1846

"The Institute met during the exhibition a quorum
 "present but no business occurring necessary to be trans-
 "acted Adjourned

"Hall of the Institute

"Oct 1st 1846

"The Institute met when the president took the
 "chair the names of members being called a quorum
 "answered

"The minutes of the two last meetings read and
 "approved

"On motion of Jos Edwards

"The names of Phebe L Goodwin

"and Matilda Cummins both of U Providence were
 "placed on nomination to be elected female members

"Also the names of James J. Lewis and Thomas

"H. Speakman both of Newtown were placed on nom-
 "-ination to be voted for as members

"The committee on exhibitions reported by which

"it appears the experiment had succeeded to the full expectation
 "of the Institute and that a considerable number of com-
 "plimentary premiums were awarded by the judges
 "appointed for articles exhibited

"which report was accepted and the President and
 "Rec Secretary directed to prepare and sign complimentary
 "premiums or certificates in conformity with said report
 "with the corporate seal attached to each

"The committee also report that the receipts on
 "account of the exhibition amounted to \$101. ²³/₁₀₀ and the

"estimated expenses to about fifty dollars leaving a balance
 "in the hands of our treasurer which will remain
 "for further order

"J. Edwards was appointed to offer the report for publication
 "in the several papers of the county and the minutes and
 "original papers of the committee to be filed for future
 "reference

"On motion of J. Edwards

"The treasurer was directed to furnish the
 "managers with a statement of the finances of the Institute
 "as it appears from his books

"and the Recording secretary to furnish the
 "managers with a certified copy of the by-laws relating to
 "their duties passed the 2nd day of May 1846

"A large chrystal of amethystine quartz was
 "received from Luke Cassin of U Providence and
 "a hard cider can from Reese Calvert of
 "Newtown

"Hall of the Institute

"November 7th, 1846

"This being a stated meeting of the Institute a quorum present

"The president not being in attendance Azariah L

"Williamson was chosen president pro tem

"The minutes of last meeting read and approved

"On motion

"James J. Lewis of Newton was elected

"a member of the Institute upon his complying with

"the further requisitions of the Constitution

"Upon motion

"Thomas H. Speakman of Newtown was

"also elected a member upon his complying with the

"further requisitions

"The election of the Ladies proposed at last meeting

"was deferred until next meeting

"The Institute was informed of the death of our

"fellow member John H. Marsh, M.D., of Concord

"Dr. J. Rowland is appointed to prepare a bi-

"ographical notice of his life to be recorded in our register

"of deceased members and submit it to a future meeting

"On motion of M Painter the following preamble

and resolution was considered and adopted and the R

"Secretary directed to furnish the treasurer with a copy

"Whereas a number of the members of the Delaware

"County Institute of Science have recently neglected to

"attend its meetings and pay their yearly instalments and

"other dues and the Institute being desirous to retain none

"other as members but those who voluntarily and cheerfully

"attend its meetings and yield their support Therefore

"Resolved. The Treasurer notify all those members

"who are in arrears for instalments or other dues for the

"last two years or more that unless the same shall be

"immediately liquidated resolutions declaring all such

"no longer members will be passed

"Ordered that the treasurer report to the meeting

"in January next the names of all such members who

"have not complied with the foregoing

"It being represented to the Institute that

"the convention of the New Jerusalem Church or

"Swedenborgians lately held at Baltimore had resolved

"to furnish gratuitously to such institutions as this for

"the use in their libraries certain theological and sci-
entific publications by the Society

"Dr. Joseph Rowland is hereby appointed
"to apply for and receive on behalf of the Institute all
"such publications gratuitously given for the use of our
"library and
"Ordered that the Recording Secretary furnish him
"with a copy of the foregoing minute
"A donation was received from James R.
"Cummins of a number of duplicate copies of the
"Acts of the Assembly of Pennsylvania also a copy of
"Hazards register for a number of years - with a number
"of other pamphlets
"M. Painter also presented a number of pamphlets
"for the use of the library

"Hall of the Institute
"Dec 3rd 1846
"At the 27th stated and 1st adjourned meeting of the
"Delaware County Institute of Science
"The president took the chair
"The attendance of members marked a quorum being
"in attendance
"The minutes of last meeting read and approved
"On motion the following preamble and resolution was
"adopted
"Whereas The 4th and 5th Sections of the 3rd article of By-
"Laws enacted the 2nd day of May 1846 do not give that satisfaction
"it was hoped they would to those it was intended to embrace
"Therefore
"Resolved That the 4th and 5th Sections of the 3rd Article
"of the By laws enacted May 2nd 1846 be and the same are hereby
"repealed and that the following section be and the same is hereby
"enacted and declared to be the 4th Section of the 3rd Article
"of the By-Laws
"Section 4th - Ladies resident of the county of Delaware
"may be elected Associate Members of the Delaware County
"Institute of Science in the same manner as members are elected
"and as such shall be entitled and admitted while they
"continue to reside in the county to attend all its meetings and
"participate in the business thereof conforming themselves to all
"the rules and regulations for the government of the Society
"Provided no initiation fee or yearly contribution shall be

"exacted from any Associate Member and Provided no
"Associate Member shall have the privilege of voting for
"officers or on any business before the Institute except it be
"in committee of the whole or voting for Associate Members

"On motion

"Phebe L. Goodwin of Upper Providence

"who was nominated Oct. 1st 1846 was now elected an

"Associate Member

and "On motion

"Matilda Cummins of Upper Providence

"who was also nominated Oct 1st 1846 was elected an

"Associate Member

"The R. Secretary is directed to notify the ladies of
"their election

"Resolved that public notice be given that the Institute
"is in possession of a number of duplicate copies of the

"Pamphlet laws of Pennsylvania for the years

"which will be exchanged for copies

"of other years than those the Institute now has or for other books
"for the use of its library

"Hall of the Institute)

"Jan 7th 1847

"At the 27th Stated and 2nd adjourned meeting of the
"Institute

"A quorum no being in attendance no business
"transacted

"Hall of the Institute

"Feb 4th 1847

"At the 27th and 3rd adjourned meeting of the
"Delaware County Institute of Science

"The president in the chair

"The secretary called the names of

"members when a quorum appeared and answered

"The minutes of last meeting read and approved

"On motion

"The following ladies were nominated to

"be voted for as associate members at a future meeting viz

"Sarah L. Miller of U Providence

"Martha Emily Hunter of Newtown

"Hannah Miller of U Providence

"Ann Miller

"Joseph Edwards made a report relative to the

"state of the weather which was accepted and directed to be

"Recorded in our "Register of Remarkable events" and the

"accompanying metological tables to be filed.

"James Howard on behalf of George Dunn of U Providence

"presented a number of minature tools of well finished cutlery

"He also presented a specimen of Falco-leuco-cephalus-

"er bald eagle procured in the Chesapeak bay and which

"he had properly prepared to be exhibited in the museum.

"The president informs he has procured on behalf of the

"Institute Holms Map of Pennsylvania exhibiting the early

"settlement of this colony and produced a bill from John

"Jay Smith for the same amounting to six dollars

"The president was directed to draw a draft on the

"treasurer for that amount

"The president informed that in an interview with

"Dr. Joshua Ash he had expressed a desire the Institute

"would appoint a committee to examine a map he is

"constructing of Delaware County and advise him as to

"the publication of the same

"And on motion

"Dr George Smith Azariah L. Williamson

"and Minshall Painter were appointed said committee ~~and directed to report~~

"and directed to report their attention thereto at a future
"meeting

"A motion was made to take into consideration the
"propriety of having monthly horticultural exhibitions at
"the Hall of the Institute which was referred to next meeting
"J Howard moved for consideration
"To change the time of holding the adjourned
"meetings of the Institute from the first tuesday to the first
"Saturday of each month
"The consideration of which subject was referred
"to the stated meeting in May next
"The president exhibited specimens and made some
"illucidation of the manner in which the trapean rocks are
"situated which the Delaware County turnpike company are
"quarrying for the use of their road now constructing
"The members entered into a discussion on the
"great improvement in the manufacture of Iron perticularly as
"the facility with which many articles are made from malable
"cast iron

"On motion
"The following preamble and resolutions
"were adopted
"Whereas the first exhibition of the Institute
"held in September last gave a strong manifestation of the
"interest taken by our fellow citizens in displays of that
"kind and a general sentiment was then expressed in favour
"of continuing such annually, The Institute feeling a willingness
"to respond to that desire and make itself as useful as
"possible to the public, It is Therefore
"1st Resolved. To hold the second annual exhibition of the
"Delaware County Institute of Science in its Hall sometime
"in September next and that the public have notice thereof
"that timely preparation may be made
"2nd Resolved that a committee be now appointed whose
"duty it shall be to put the Hall and grounds in such order
" (without deranging them from serving the general use for which
"they are designed) as will give the best accommodation to
"visitors and display of articles exhibited. To make such rules
"and regulations as shall be necessary to govern the exhibition
"and attend to the execution of the same - to grant complimentary
"premiums or certificates of merit to successful competitors with
"the sanction of the Institute under its corporate seal and
"countersigned by its officers. And in general do all such
"things as may be necessary for the success of the undertaking
"and report the same to the next meeting of the Institute
"succeeding the exhibition
"3rd Resolved. That the committee on exhibition have
"authority so to alter and improve the basement and attic
"stories of the Hall of the Institute as shall best make them
"serviceable for the purposes of the exhibition for which



AZARIAH L. WILLIAMSON

In Photo to you
11

ALOS BONSALL

Al. Bonsall
12

"end they shall have ~~authority~~ liberty for themselves and
 "agents to ask and receive on behalf of this corporation
 "all voluntary subscriptions of pecuniary aid from our fellow
 "citizens to enable them to effect the same
 "Whereupon the president appointed the following
 "named members a committee to conduct the 2nd annual
 "exhibition of the Institute viz Joseph Edwards Minshall
 "Painter Sketchly Morton John Miller James Howard
 "Azariah L. Williamson Richard T Worrall and Levis
 "Miller
 "Ordered That the Managers place the Hall at the
 "disposal of the committee on exhibition that it may undergo
 "the necessary improvements and be used for the purposes
 "of the exhibition
 "Resolved That Joseph Edwards be reappointed to
 "continue his observations relative to the state of the weather &c
 "for the year 1847 and make report thereof to the Institute
 "in January next

"Hall of the Institute
 "March 4th 1847
 "At the 27th Stated and 4th adjourned meeting
 "of the Delaware County Institute of Science
 "A quorum not in attendance
 "No business transacted

"Hall of the Institute)
 "April 1st 1847)
 "At the 27th and 5th adjourned meeting
 "of the Institute
 "The President in the chair
 "The names of members called when a quorum answered
 "The minutes of Feb 4th 1847 read and approved
 "Proceeded to the election of Associate Members
 "of the Institute when the following ladies were elected
 "viz Sarah L. Miller of U Providence Martha Emily Hunter
 "of Newtown Hannah Miller of U Providence and
 "Ann Miller of U Providence were duly elected
 "On motion of L Miller
 "Phebe Ann Lewis of Middletown/was placed on nomination for an Asso
 "ciate member to
 "be voted for at an future meeting
 "On motion of J Edwards
 "The chair appointed/Richard T Worrall and Thomas Reese auditors to
 "examine
 "the accounts of the treasurer and report to next meeting
 "On motion
 "Ordered that the Institute subscribe
 "for two copies of the map of Delaware County now
 "constructing by Dr Joshua Ash of Philadelphia, One of
 "the copies to be used by the Institute as a geological map
 "and to be left in the state in which it comes from the printer

"An ancient manuscript of"the speech of John Wright Esq
 "one of the Magistrates of Lancaster Co Pa to the Court
 "and grand jury on his removal from ~~anmm~~ the commission
 "of the peace at the quarter sessions held at Lancaster
 "for said county in May 1741" was received from
 "Reece Heacock of Chester County as a donation to
 "pur collection of manuscripts
 "A miniature claw hammer was made and
 "presented by Washington Robinson
 "Relics collected on the battleground of Waterloo and
 "presented by Christopher Fallon of Philadelphia
 "A number of State documents from Sketchly Morton Esq

May 1, 1847.

James J. Lewis and Thomas H. Speakman who were elected November 7th, 1846, being in attendance were introduced and complied with the farther requisitions of the Constitution.

The Auditors appointed at last meeting report that they examined the treasurer's accounts for the past year.

Joseph Edwards made on behalf of the Managers a report of their proceedings for the past year which was accepted and directed to be offered for publication in the county papers.

The managers are directed to renew or repair the fence along the public road on the S.E. part of the lot belonging to the Institute.

The Institute resumed the consideration of unfinished business referred to this meeting in Feb. 4th, 1847, on the propriety of changing the time of holding the adjourned meetings.

When it was

Resolved. That in future the adjourned meetings of the Institute be held on the first Saturday of each intervening month between the Stated meetings, except in the month of July, when no meeting will be held.

Another item of unfinished business referred to this meeting in Feb. last relative to the meeting having monthly horticultural exhibitions the consideration of which was now resumed.

When on motion it was

Resolved. That the Institute hold monthly horticultural exhibitions on the first Saturdays of the months of April, May, June, August, September, October and November, of each year, and that a committee be appointed to examine articles exhibited and make report at each meeting. The successful competitors to receive commendatory notice on the minutes of the Institute, which will be published from time to time.

On motion

The chair appointed Joseph Edwards, John Evans and James J. Lewis, a standing committee in conformity with the foregoing resolution.

And, on motion,

The meeting appointed Dr. George Smith and Minshall Painter an addition thereto.

Joseph Edwards is appointed to prepare a biographical account of our late fellow member George Cummins (deceased) to be inserted in our register of deceased members.

The Treasurer is authorized to pay any taxes that maybe levied against the property of the Institute. *omit*

Received from the President in exchange for 6 volumes of the pamphlet laws of Pennsylvania, a journal of the American Congress of 1775, the copy having previously belonged to Cesar Rodney, of Delaware. A pamphlet being an abstract from the proceedings of

the American Congress of 1774. Six reports of the Commissioners to revise the civil code of Pennsylvania and two copies of the pamphlet Laws of Pennsylvania.

The President distributed amongst the members plants of Rubarb raised from seed obtained by the Institute from the Patent Office at Washington last Spring.

Jos. Edwards took occasion to remark that in cultivating a piece of land upon which potatoes had grown the last season a number of potatoes that had lain in the ground during the winter was brought to the surface showing signs of having started to grow this

spring but that within a few days past the rot appeared to have seized them and exhibited all the appearance of potatoes affected with that disease later in the season of last year. *ing*

And requested members who may be cultivating grounds similarly situated to examine the potatoes ploughed up.

Specimens of the sulphuret of iron from the State of Delaware was presented from Washington James.

On motion of M. Painter

Proceeded to the election of officers for the ensuing year and appointed E. K. Edwards and Thos. H. Speakman tellers who after due time reported the following officers as duly elected. President, George Smith, M.D.; Vice-Presidents, Sketchly Morton, John Evans; Recording Secretary, Minshall Painter; Corresponding Secretary, Thomas H. Speakman; Librarian, Minshall Painter; Treasurer, John Miller; Managers, Joseph Edwards, Levis Miller, James Howard, Joseph Rowland, M.D.; Azariah L. Williamson.

Phebe Ann Lewis, who was nominated at last meeting was elected an associate member. The Secretary was directed to notify her of her election.

On motion of J. Edwards,

Hannah Lewis was placed on nomination for an associate member to be voted for at a future meeting.

June 5, 1847.

The report of the managers not being published as was directed at last meeting, it was on motion, Referred to the following committee, viz.: Jos. Edwards, Dr. Jos. Rowland and Thos. Speakman, who upon further examination reported against its publication. Which report was adopted.

Voted that Hannah Lewis, of Middletown, be an associate member of the Institute.

The managers report they met and organized themselves into a board by appointing Azariah L. Williamson, chairman, and Joseph Edwards, secretary.

Dr. Joseph Rowland agreeable to appointment produced a biographical account of Dr. John H. Marsh, which was accepted and directed to be recorded in our Register of Deceased Members.

The Managers presented a bill for erecting a new fence upon the S. E. part of the lot amounting to \$14.16, which was allowed.

Dr. Joseph Rowland reports he attended to his appointment and received from the corresponding secretary of the Central Convention of Receivers of the Heagenly Doctrine of the New Jerusalem in the United States the following works as a donation to the Institute, viz: Universal Theology, Divine Love and Wisdom; Divine Providence, Heaven and Hell; four leading doctrines; Nobles Appeal and Job Abbott.

The names of Jonathan Richards and Levis Lewis were directed to be erased from our list of members in consequence of their having removed to reside out of the county and arethereby no longer members.

The President exhibited a specimen of Marchantia, which he believes to be a species not yet described. Its receptacles being elevated by a stipe about 2 inches high when its fronds almost wholly disappear.

Levis Miller entertained the members by an account of his late visit to a part of James River in Virginia and the State of agriculture there; many planters cultivating 500 a, 1000 or 1500 acres of land by the assistance of slave labour.

August 7, 1847.

Emily C. Lewis of Aston was nominated by S. L. Miller as an associate member to be voted for at next meeting.

On motion of Joseph Edwards, Dr. Joseph Rowland was appointed to fill the vacancy occasioned by the death of Richard T. Worrall, one of the Committee on Exhibitions.

Also on motion of J. Edwards, a committee was appointed of associate members to assist the committee on exhibitions consisting of Phebe Goodwin, Matilda Cummins, Sarah L. Miller, Ann Miller, Hannah Miller, Phebe Ann Lewis, Hannah Lewis and Martha Emily Hunter.

On motion of M. Painter, Resolved. That the members of the Institute have heard with much regret of the death of their late fellow member Richard T. Worrall and that in conformity with the rules and usages of the Society, John Miller and Minshall Painter be appointed to prepare a memorial concerning him and produce it to a future meeting to be approved and recorded.

Resolved. That the balance of the proceeds of the exhibitions of last September and now in the treasury (amounting to \$68.40) be appropriated to the preparation of the Hall and grounds for the ensuing exhibition and is hereby directed to be paid over to the committee on exhibitions.

M. Painter presented a number of specimens of minerals &c from Allen Wallace of Pilesgrove township, Salem County, New Jersey, found in digging his marle pits; and on the presentation of these minerals made the following observations:

Since last meeting he had made an excursion to Salem County, New Jersey, and had examined an extensive digging for marle on the property of Allen Wallace, near Woodstown. After removing the surface of the ground (composed principally of clay and sand in such proportion as to make it pleasant for cultivation of variable depths, but where observed of from 2 or 3 feet to 8 or 10 feet a gray marle is reached of 6 feet in depth of some value when applied to the soil, but not considered very active. The next strata reached is a shell marle of say 8 feet in depth composed principally of shells and gravel, the shell in a decomposing state and when exposed fall to pieces coloured with the oxide of iron which seems to be plentiful in this deposit. Descending still lower they arrive at the green sand which is in that place dug to the depth of 14 feet and appears to descend deeper the farther digging being prevented from the great afflux of water which there is not yet means devised to get rid of. This green sand is considered a very valuable application to the soil and is drawn many miles for that purpose. The diggings extend for several miles along the valley of a small stream and from a distance of about half a mile which we examined we were assured at least 10,000 loads were taken therefrom the last season averaging 20 bushels to the load. Part of this ground was leased to contractors to dig for marle at \$10.00 the square rod of surface with the privilege of penetrating perpendicularly into the marle until prevented by water from descending farther. The country around was well improved its great productiveness being attributed to the application of the marle and there is some reason to believe could it be readily transported it would produce great effects upon the ~~sterile~~ soil of Pennsylvania.

September 4th, 1847.

On motion of P. Goodwin, Hannah Kaley, of Newtown, was nominated an associate member.

Voted that Emily C. Lownes be an associate member.

M. Painter presented on behalf of B. P. Robinson a portion of a rock from the farm of Richard Simons in Sterling township, Wayne County, Pa., situated on a tributary of the Lacawanna and found in digging for a saw mill pit. The rock in place from 25 to 30 feet wide and about 4 feet of solid rock was blasted off the top when they came to the hole in the rock descending in a perpendicular direction being $4\frac{1}{2}$ inches in diameter and perfectly round and about 18 inches deep filled with nothing but water. The specimen was a portion of the section of that hole.

Dr. Smith contributed the following: A specimen of Anthroceum multefides from Darby township. (?) Also, geological specimens of Shale with impressions of calamites from Pottsville; shale with impressions of fern equisetum from same place. Bark of sigela from the conglomerates of same place.

October 2nd, 1847.

Voted that Hannah Caley, of Newtown, be an associate member of the Institute.

S. L. Miller nominated Elizabeth Ann Smedley and Esther O. Smedley as candidates for associate membership to be voted for at a future meeting.

J. Edwards, chairman of the committee on exhibitions, made report in part with a list of the articles exhibited. The financial concerns of the committee not being settled a supplementary report will be expected by the Institute at next meeting.

And on motion Resolved. That the Institute approve of the report of the committee appointed to conduct the 2nd annual exhibition which was held on the 9th 10th and 11th of September and direct that certificates be prepared for those to whom the judges awarded complimentary premiums, said certificate to be signed by the President and counter signed by the R. Secretary. Resolved. That 300 copies of the report on the 2nd annual exhibition be published in pamphlet form for distribution to those to whom premiums were awarded and also a copy to be sent to each of the neighboring societies with whom we have correspondence or who hold annual exhibitions.

J. Evans exhibited a number of copper and silver coins, some of them bearing an early date.

JOSEPH WILLCOX

in the...
12

JOSEPH EDWARDS

Dr. Edwards
12

November 6, 1947.

Elizabeth Ann Smedley, of Middletown, was elected an associate member of the Institute. Esther O. Smedley, of the same place, was also elected an associate member.

Joseph Edwards agreeable to appointment produced a memorial concerning our late fellow member George Cummins (dec) of Upper Providence, which was approved and directed to be recorded.

Winshall Painter offered for consideration resolutions relative to holding of monthly exhibitions during the summer and the third annual exhibition in September next which were laid upon the table.

Jos. Edwards presented bog iron ore from the farm of George Lincoln, of Darby.

The complimentary premiums or certificates awarded at the 2nd annual exhibition were produced duly executed and arrangements

made for their distribution to successful competitors with a printed copy of the report of the committee. The Committee on Exhibitions not yet being prepared to make a final report are continued to report at next meeting.

December 4, 1947.

A quorum not being in attendance.

G. B. HOTCHKIN

G. B. Hotchkiss

CHAPTER VIII.

Minutes 1848-1849.

January 1, 1848.

Samuel Hibberd, Esq., of Middletown, was placed on nomination for membership.

On motion of J. Howard, Joseph Blackfan, M.D., of Radnor, and John H. Newlin, of Concord, were also placed in nomination for membership.

At the instance of the president Lydia Ann Cummins, of Providence, was placed on nomination for associate member, and on motion of J. Howard, Lydia B. Newlin, of Concord, was also nominated for associate member.

Jos. Edwards made a final report on behalf of the Committee on Exhibition showing a balance due from the treasurer of the committee as proceeds of said exhibition of \$61.70¹/₄ which was accepted and the treasurer of the committee directed to pay the balance into the hands of the treasurer of the Institute and the committee discharged.

Jos. Edwards informed he was unavoidably prevented from making his meteorological report of the past year but would attend to it at an early day. On motion, Jos. Edwards and Sarah L. Miller were appointed to keep meteorological journals for the succeeding year (viz: 1848) and make report to the meeting in January next.

On motion of M. Painter the following preamble and resolution were adopted: "Whereas it is believed a great advantage will be derived through the members to the community generally in making our meetings the occasion of exchange of different kinds of seeds, cuttings and grafts as it is important we should avail ourselves of every aid to advance the object of our association. Therefore, Resolved That each member be requested to forward to the Institute seeds, cuttings, grafts of new or valuable varieties of fruits, grains, vegetables or grass and of ornamental trees, shrubs or plants which they may have on cultivation or which circumstances may put them in possession of. And that information be generally circulated informing our fellow citizens that such will be esteemed valuable donations to the Society to be used for the purpose of exchange. And in the event such arrangement receives encouragement from our fellow citizens that the system of exchange be extended to neighboring agricultural and horticultural societies."

J. Edwards made the following donations: Lead ore from near Phoenixville, Chester County; Copper ore from Montgomery County, 20 miles E. of Norristown; Copper ore from Flemington, Mines, N. Jersey; Iron ore ~~from~~ found in the lead mines, Phoenixville, Chester County.

February 5, 1848.

A quorum not in attendance.

March 4, 1848.

On motion of M. Painter, Jacob Painter, of Middletown, was placed on nomination for membership.

The following gentlemen were duly elected members of the Institute upon their complying with the farther requisitions of the Constitution, viz: Samuel Hibberd, Esq., of Middletown; Joseph Elackfan, M.D., of Radnor; and John H. Newlin, of Concord. The following ladies were also elected associate members, viz: Lydia Ann Cummins, of Upper Providence and Lydia B. Newlin, of Concord.

On motion of M. Painter the following resolutions were adopted: 1st. Resolved. That a committee of members be appointed whose duty it

shall be to have charge of holding the third annual exhibition of the Delaware County Institute of Science in September next. Said committee to be organized by appointing a chairman and secretary and treasurer and to keep regular accounts and minutes of their proceedings and they are hereby authorized to adopt such rules and regulations and make such arrangements as may be necessary for carrying out in the best manner the object of the exhibition. 2nd. Resolved. That a committee of associate members be appointed to join the committee of members on the third annual exhibition and assist them in carrying out the object of their appointment. Whereupon the President appointed Joseph Edwards, John Miller, M. Painter, Sketchly Morton, James Howard, Lewis Miller, A. L. Williamson, Joseph Rowland, George G. Baker and James J. Lewis a committee of members; and Sarah L. Miller, Phebe Goodwin, Hannah Miller, Ann Miller, Matilda Cummins, Martha Emily Hunter, Hannah Caley, Phebe Ann Lewis, Elizabeth Ann Smedley and Emily C. Lowns, a committee of associate members.

The President read a letter from John Freedley, Member of Congress, from this District, relative to the deposit of two copies of the coast survey for this county. He is instructed to reply and request one copy be deposited with the Institute. He, also, produced an anastatic circular from the publishers of the survey of the state of New York, a copy of which is estimated to cost 70 dollars.

M. Painter read a letter from John Rutter, Esq., (Ruller?) of West Chester, informing that the Horticultural Society of Chester County had determined to petition the State Legislature to pass a law rendering the offence indictable for wantonly taking or destroying garden vegetables, fruits, fruit trees, vines, &c., and requesting the subject be brought before the Institute. The members were now informed such a petition had been circulated in the county numerously signed and forwarded to Harrisburgh.

Through the attention of John Freedley, M.C., a package of flower seeds was received from the patent office at Washington. They were put into the hands of Matilda Cummins for cultivation and the

Should

SAMUEL HIBBERD

in this volume

WM. I. SMIDLEY

Chas. W. Allen
17

seeds produced to be preserved for future distribution amongst the members.

The President exhibited a dried specimen of the Turban Squash a singular variety.

M. Painter presented a pamphlet entitled Rush Light No. 2, by Peter Porcupine. Printed 1800. Also, a Map of the British Middle Colonies in America, by Lewis Evans; published by Act of Parliament June 23d, 1755.

M. Painter is directed to have blank^{forms} printed for the return of the thanks of the Institute to donors for valuable gifts bestowed upon the Society.

A donation of three coins were received from Jesse Taylor, of Middletown, to be preserved as mementoes from him.

The Managers are directed to have doors with locks placed to the book shelves in the library room of the Hall of the Institute.

April 1, 1848.

Jacob Painter, of Middletown, was elected a member upon his complying with the farther requisitions of the Constitution.

Joseph Edwards made a report on the meteorological state of the weather for the year 1847; And, ordered that it be published in the papers of the county. The committee appointed to make on behalf of the

Institute meteorological observations on the current year are directed to procure the necessary apparatus to enable them correctly to notice the changes and also to publish monthly accounts thereof.

M. Painter read a letter from J. Freedley, our representative in Congress, informing that the Commissioner of Patents is desirous of receiving quarterly reports of the agricultural interests of the county. And information was now given in reply that the Institute would respond to the desires of the Commissioner when he should make known more particularly the information desired.

The documents accompanying the President's Message was received through the kind attention of J. Freedley.

S. Morton forwarded to the Institute the following reports, viz: The 20th Annual Report of the House of Refuge, Philadelphia; Report of the Penna. Hospital for the Insane; Annual Report of the Penna. Institute for the Dumb; Report of the Canal Commissioners; The 14th Annual Report of the Superintendent of Common Schools.

The President announced the reception of an autograph of Alexander Wilson, the ornithologist, presented by one of his former pupils. The Secretary is directed to commence a file of such papers.

E. K. Edwards, on behalf of Tacy Cobourn, of Chester, presented a piece of coral, or as represented a specimen of the material from which the temple was erected dedicated to the Sun at the City of Mexico.

J. Miller presented on behalf of our correspondent George Walker, Esq., of Susquehanna County, a large specimen of a petrification from the coal mines at Carbondale, Luzerne Co., Pa.

On motion of M. Painter, The President appointed James Howard and Joseph Edwards Auditors to settle the accounts of the Treasurer and report to next meeting.

J. Howard presented grafts of the Howard apple for exchange. E.K. Edwards presented grafts of the Seckel (Seckle) pear also grafts of the Yellow Magnum bonum (?) for the purposes of exchange. M. Painter presented the seeds of the accacia jubbussin (?) for the purpose of exchange.

Thirty-four packages of field and garden seed were received from the Commissioner of Patents at Washington which was divided amongst the members as follows: To James J. Lewis-Polish Winter Wheat, Refugee or 1000 to 1 Beans, Long Green Turkey Cucumber, Early Dark Green Bush Squash, Large White Portugal Onion; To Joseph Edwards-Reed Straw Winter Wheat, Myatts Victoria Rhubarb, Blue Prussian Pea, Large French Bullock Heart Cabbage, Large Yellow New England Onions, Large Oxheart Pepper, Long Green Prickly Cucumber, True Water Cress, Long Dutch Parsnip; To E. K. Edwards-Large White Lima Pole Beans, Seymours White Superb Cellery, Large Late Bergen or Great American Cabbage, Long White Summer Radish; LevisMiller-Early Red Speckled Beans; To John Miller-Carolin a Pole Beans, Large Late Cauliflower, Large Purple Cape Broccoli; To James Howard-Lima Squash, Strasburgh Onion; M. Painter-Early Cape Broccoli, Early Summer Crooked Necked Bush Squash, Colewart or Collards; George Smith-Silver giant celery, Purple Oval Egg-Plant (Stromleys), White Allingham carrot (fine), Tobacco Seed from Gomor, Hungary, Tobacco Seed from Esakany, Hungary, Tobacco Seed from Bogas, Hungary, Tobacco Seed from Nagykallo, Hungary. Members receiving seeds are directed to report to the Institute the growth and valuable properties of the plants as well as preserve their seed for future distribution by the Institute.

The President suggested for consideration whether a scientific journal could not be established in this county as in conjunction with Chester County.

May 6, 1848.

Phebe Goodwin was appointed to receive the dues from members and hand the amount to the Treasurer.

The Managers made a report for the past year which was read and referred back to them to receive some additional matter and have it published.

M. Painter from the committee appointed on that subject read a memoir concerning our deceased fellow member Richard T. Worrall which was directed to be recorded.

M. Painter agreeably to the appointment produced 4 quires of blank forms for returning the thanks of the Institute for valuable donations received. The bill amounting to \$1.50 was directed to

be paid by an order on the Treasurer.

M. Painter offered the following resolution which was adopted and directed that a copy be furnished to the committee: "Resolved. That the Committee on Meteorological Subjects be requested to add to their register as the circumstances become known within the limits of the county the following incidents: Buildings destroyed by fire, either by accident, the incendiary or lightning; Deaths occasioned by murder, suicide or lightning; Prevailing Diseases epidemics, endemics."

S. Morton presented the first annual report of the Inspectors of the Philadelphia County Prison.

Dr. Smith presented a mammoth poly porus (?) from his farm in Haverford. He also presented for distribution seeds of the Turban Squash and Rhubarb plants received by the Institute from the U. S. Patent Office.

On motion, tellers were appointed to conduct the election of officers for the ensuing year, viz: John Pechin and Thomas H. Speakman, who after due time reported the following officers as duly elected for the ensuing year for President, George Smith, M.D.; Vice-Presidents Sketchly Morton and John Evans; Recording Secretary, Minshall Painter; Corresponding Secretary, Thomas H. Speakman; Librarian, Minshall Painter; Treasurer, John Miller; Managers, Joseph Edwards, Joseph Rowland, James Howard, Levis Miller, Azariah L. Williamson.

On motion of J. Edwards, ordered that the treasurer pay out of the funds of the Institute fifty dollars towards liquidating the standing debt due from this corporation.

The auditors appointed to examine the treasurer's accounts not being prepared to report are continued to report at next meeting.

June 3, 1848.

John H. Newlin, of Concord, who was elected a member March 4th 1848, attended this meeting and complied with the farther requisitions of the Constitution.

The auditors not being prepared to report, on motion of P. Goodwin, voted that Levis Miller be added to the members of auditors and they are directed to report to next meeting.

The Committee appointed Feb. 4th, 1847, to confer with and advise Dr. Joshua W. Ash on the publication of a map he is constructing of Delaware County, report, "That said map has progressed to completion so far as the necessary materials could be obtained and is printed and ready for distribution to subscribers. That the map is far the best extent for the county and that its mechanical execution is highly creditable to those engaged in its publication."

The President exhibited the first number of the new series of the Journal of the Academy of Natural Sciences of Philadelphia. And, on motion, "The Librarian is directed to subscribe for one copy of that publication on behalf of the Institute for the use of its library."

Joseph Edwards presented specimens of the phosphate of lead from a new mine near Phoenixville, Chester County. The ore now in successful operation of being smelted. He also presented Hemetic black oxide of iron from Middletown.

S. L. Miller exhibited a fancy basket of flowers as well as a number of bouquets.

Phebe Goodwin exhibited paper believed to be very ancient apparently covered with an incrustation of some salt. The paper was found in her family archives-No test being applied the character of the incrustation was undetermined.

August 5, 1848.

The Auditors appointed to examine the Treasurer's accounts report they find a balance in his hands of \$83.80 not reporting the exhibition fund and that there is an outstanding of yearly installments of \$114.00.

On motion, "Resolved. That the care and use of the Hall be transferred from the managers to the committee on exhibition from the time of this meeting until the time of the meeting in October."

John K. Zelin, Esq., having gone to reside in the City of Philadelphia and consequently no longer a member of the Institute his name is directed to be erased from the list of members.

The President was requested to draw his draft on the Treasurer in favour of Dr. Joshua W. Ash for the price of two maps of Delaware County furnished the Institute; the price being \$10.00.

On motion, "Resolved that any funds in the hands of the Treasurer derived from the 2nd Annual Exhibition shall be at the disposal of the committee appointed to conduct the 3rd Annual Exhibition."

On motion of M. Painter, "Resolved, that the thanks of this Society are due and that they be presented to the Hon. John Freedly, M.C., from the district, for his attention to the Institute by forwarding for the use of its Library documents published by order of Congress as well as in other respects advancing its interest." On motion, ordered, "That the Corresponding Secretary communicate to Mr. Freedly the import of the foregoing resolution."

Two additional maps of the coast survey was received from A. D. Bache, Superintendent of that Survey.

Received from John Freedly, M.C., two reports of the acting Secretary of the U. S. Treasury; also, the President's Messages and accompanying correspondence relative to the Mexican War.

Levis Miller was directed to have the last named documents bound.

A bound copy of the report of the Commissioner of Patents was also received.

John Evans exhibited specimens in bloom of the Tecoma grandiflora.

S. Miller exhibited the white harvest apple.

J. Edwards the Lippincott apple.

M. Painter a number of varieties of apples.

A bill from Simon Litzenburg was received for fitting up shutters to the shelves of the Library amounting to \$23.75 which was directed to be paid by an order on the Treasurer.

M. Painter submitted for consideration resolution relative to establishing an agricultural and horticultural journal. Directed to lie upon the table.

M. Painter laid before the meeting a circular from the Superintendent of Patents relative to some agricultural statistical information from this county which he is desirous of obtaining. Referred to next meeting.

September 2, 1848.

On motion of E. K. Edwards, Humphry Johnson, of Chester, was placed on nomination for membership.

In anticipation of invitation to the Institute to visit by deputation the annual exhibitions of the different neighbouring associations with which we are in correspondence the following deputations were appointed: To attend the annual exhibition of the Chester County Horticultural Society.

John Miller, Levis Miller, Azh. L. Williamson, Esther O. Smedley and Hannah Miller.

To attend the annual exhibition of the Pennsylvania Horticultural Society,

John Evans, Dr. George Smith, S. L. Miller and Hannah Caly.

To attend the exhibition of the Jeffersonville Agricultural Society of Montgomery County, John Pechin, Thomas H. Speakman and James J. Lewis.

To attend the New Castle Agricultural Society (Del.) Sketchly Morton, John Newlin, E. K. Edwards, Matilda B. Cummins and Lydia Newlin.

The resolutions offered at last meeting relative to establishing an agricultural and horticultural journal were now considered and adopted as follows: "Resolved. That the Institute take into consideration the propriety of promoting the establishment of a public journal in this county or in conjunction with Chester County to be devoted to the advancement of agriculture and horticulture as well as to the arts, sciences and literature, but to be mainly devoted to the former subjects. Resolved. That the Corresponding Secretary open a correspondence with the Chester County Horticultural Society on the subject of its co-operation and if on due consideration by both societies such an enterprise is believed to be self sustaining and practicable then the societies to select an editor and publisher and circulate subscriptions for such a periodical to be published either monthly or quarterly."

E. K. Edwards submitted for inspection a model of a thrashing machine which he had recently invented. On motion, the following committee was appointed to inspect the model and principles of its operation and report their views of its usefulness to a future meeting, viz: Jos. Edwards, Azah. L. Williamson and M. Painter.

A number of Congressional documents and numbers of the Globe were announced as being received from J. Freedly.

Amir

September 23, 1848.

At a special meeting of the Delaware County Institute of Science.

The committee appointed to conduct the third annual exhibition of the Institute made a report in part of their proceedings which was accepted. L. Miller and S. L. Miller were appointed a committee to attend to having the report just read printed in the county papers and also have 300 copies printed in pamphlet form for distribution. The expense to be paid out of the exhibition fund also to have a suitable number of premium certificates printed.

The Rec. Secretary is directed ^{to request} on behalf of the Institute of John S. Bowen, Esq., a copy of his address delivered at the conclusion of the third annual exhibition for publication.

October 7, 1848.

Humphry Johnson was elected a member upon his complying with the farther requisitions of the Constitution.

The Committee on Exhibitions reported an estimated balance in the hands of their treasurer of \$100.51 all their bills not yet being paid.

The committee appointed Sept. 2nd to examine a model of a thrashing machine invented by E. K. Edwards made a report which was accepted.

On motion of M. Painter, "Resolved That the Institute will prepare memoirs or biographical accounts of deceased associate members as it may occur and have same recorded with those directed to be kept of deceased members."

The decease of Esther O. Smedley was now announced as occurring since last meeting. On motion, of P. Goodwin, S. L. Miller was appointed to prepare a memoir concerning her and report to a future meeting.

On motion of M. Painter, "Resolved that the Institute will reply to a circular received from the Commissioner of Patents relative to agricultural statistics of this county for the year 1848." And on motion, Joseph Edwards and M. Painter were appointed to make the necessary inquiry throughout the county and prepare such reply as circumstances may warrant and submit it to a future meeting.

A circular was received from committees of the Massachusetts Horticultural Society and Board of Agriculture of the American Institute proposing to hold a central convention of fruit growers and pomologists at Judsons Hotel in the City of New York on the 10th inst. On motion, the following delegates were appointed on behalf of the Institute to attend said convention, viz: Dr. George Smith, Sketchly Morton, Jacob Painter and A. B. Williamson.

The President and Rec. Secretary are instructed to execute on behalf of the Institute certificates or "complimentary premiums" to those entitled thereto agreeably to the report of the Committee on Exhibition.

The Institute proceeded to award special premiums in addition to certificates to those depositors at the late exhibition who had by their attention and care particularly excelled. There was awarded to

2. Henry Brown & Co. Horticultural Society

CAROLINE PENNOCK

in the album
24

ANNA MILLER

Book
in name & article
Paragraph 7
from 1884

Nathan Pratt for White Wheat - a book entitled "Thaen Agriculture."
John Hill for Mercer Potatoes - a book entitled "Smee on the
Potato Plant."

Paxon Price for Elwein Potatoes - a book entitled "Smee on the
Potato Plant."

George W. Hill, Jr., for peaches - a book entitled "Book of Fruits,"
by Ives.

David Cummins for Issabella and Catawba Grapes, a book entitled
"Hoase on the Cultivation of the
Grape."

George S. Truman for his display of fruits and vegetables - Cash \$5

George A. Swayne for yellow san ripe Peaches a book entitled
"Farmers' Dictionary," by Gardener

Joseph Bishop for Honey a book entitled "The Naturalist's Library."

Isaax Newton, Jr., for his display of stock agricultural and horti-
cultural products, cash five dollars.

George Lazenby, gardener to Wm. T. Crooks, for his display of
vegetables, cash five dollars.

George W. Bartram, Esq., for his display of Vegetables, a book en-
titled "Johnson's Dictionary of Gardening"

Seth Pancoast for Southdown sheep, a book entitled "The American
Shepherd." by Morrell.

James Schofield for calves and abull, a book entitled "Stock
Raisers Manuel," by Youatt.

Isaac Thomas for his bull Sampson, a book entitled "Stock Raisers
Manuel," by Youatt.

William L. Green for his heifer a book entitled "Stock Raisers
Manuel," by Youatt..

John Cochran for his colt a book entitled "Youatt on the Horse."

Joseph M. and E. Worrall for calf "Rough and Ready," a book en-
titled "American Farmers Instructor."

Joseph Rogers for his heifer "Mayflower," cash 2 dollars.

John P. Sagers for his filly a book entitled "Youatt on the Horse."

Clement Barr for his black horse a book entitled "Youatt on the
Horse."

Benjamin B. Penson for hats cash one dollar.

Samuel Lincoln for cases of prepared birds a book entitled "Book
of Cage Birds," by Duke.

Samuel Turner for case of prepared insects, cash 2 dollars.

Jesse White for butcher Knives, a book entitled "American Farmers
Encyclopedia."

Sarah A Longstreth for bead work, a book entitled "London Lady
Flower Garden."

Elizabeth Smith for stool covers a book entitled "Views a Foot.", by
Taylor.

Caroline W. Grover for Zypher Work a book entitled "Miss Beechers
Domestic Economy."

Martha Thomas for embroidered cushion a book entitled "The Lady's
Receipt Book." by Miss Leslie.

Susan M. Bishop for lamp stand a book entitled "Hand Book of Needle-
work."

Mrs. Flaville and Daughter for their display of millinery and fancy work cash five dollars.
 Hannah H. Horne for album quilt a book entitled "Ballads and Poems," by Mary Howitt. "Ireland's Welcome to the Stranger."
 Henrietta Malin for pinecushions a book entitled "Indian Ink Drawing a book entitled "young Mary K. Passmore for Landscape drawings a book entitled "The Rose, its history, culture &c., by Parsons
 Mary Y. Passmore for Indian Ink Drawing a book entitled "young

Lady's Offering." by Mrs. Sigourney.
 Anna Maria White for Monochromatic Drawing, a book entitled "Sears Bible Biography."
 Sallie P. Truman for a drawing a book entitled "Hermans Poetical Works,"
 Margaret K. Crozier for a drawing a book entitled "The Rose, Its History, Culture, &c." by Parsons.
 Hannah Caley for cornucopias &c., a book entitled "American Flower Garden Directory." Buist.
 Esther O. Smedley for worked collars &c. a book entitled "Poems by Eliza Cook.
 John Pechin, of Radnor, for display of fruits, a book entitled "Gilpin on Landscape Gardening."
 David Caley, of Newtown, for agricultural produce, &c, a book entitled "Dana Truck Manual."
 Emily E. Lowns for needle work a book entitled "Ballads and Poems," by Mary Howitt.

On motion S. L. Miller and M. Painter are appointed a committee to procure the books in conformity with the foregoing Also, to attend to their distribution with the certificate and copy of the reports.

On motion of J. Edwards, Ordered that a copy of the report of the committee on the exhibition be distributed to each contributor.

November 4, 1848.

The Committee appointed to procure the books awarded at the last meeting to contributors at the exhibition and distributed the same with the certificates report they have attended to their appointment.

The recording secretary reported that agreeable to instructions he requested of John S. Bowen, Esq., a copy of his address delivered at the conclusion of the third annual exhibition for publication which was very cordially responded to by that gentleman. The copy was put in the hands of the printer and 200 copies struck off for the use of the Institute to be distributed with other tokens of merit to successful competitors at the late exhibition.

The committee for distribution of books furnished for the use of the library a number of books which they had procured that upon closer examination ~~were~~ not required for distribution. The books were accordingly marked and put into the library for circulation, viz:

"History of Architecture," by Tuthill

"Gilpin Landscape Gardening,"

"Downing's Cottage Residences,"

"Downings Landscape Gardening,"

"Lindly's Horticulture,"

A work on "Bees."

The President presented a specimen of flint of a singular variety found amongst ballast thrown ashore at the Lazaretto.

J. Evans laid upon the table specimens of the following plants in fruit or flower:

Solidago aurea

Pyrus arbutifolia

Perfonon launfoleum from the Oregon Mountains

Cretagus pyracantha

A number of chrysanthemums of a variety of colours and of extraordinary size.

M. Painter also laid upon the table a number of varieties of chrysanthemums.

A bouquet was received from Matilda Cummins made from turnips cut in imitation of wax figures.

The delegates appointed to attend a central convention of Fruit Growers and Pomologists to be held in the City of New York on the 10th day of October last were prevented from attending by the occurrence of the general election of this state taking place at the same time.

Our secretary however forwarded a certificate of their appointment to the secretary of the American Institute agreeably to the request of the circular received.

December 2, 1848.

A quorum not present.

January 6, 1849

At the instance of the President the name of Dr. Benjamin S. Anderson, of Darby, was put in nomination for membership to be elected at a future meeting.

The Committee appointed to make meteorological observations and keep a regular record thereof, made a report which was accepted and directed to be placed on file.

Joseph Edwards and S. L. Miller were re-appointed a committee to keep the meteorological record for the ensuing year.

A circular from the Secretary of the Smithsonian Institution and the Meteorologist appointed by the Secretary of the Navy by order of Congress relative to making extensive observations on storms in the United States was laid before the meeting with a view of offering the services of the Institute to assist in making such observations. The subject was referred to the Meteorological Committee to open a correspondence on the subject and if they deem it best then to engage in making such additional observations as may be required for that purpose.

"The subject of applying to the State legislature for additional authority to suppress the cause of disorders at the time of holding our annual exhibitions claimed the attention of the Institute, but farther action was however deferred at this time."

On motion of Joseph Edwards, it was

"Resolved: That a committee be appointed to make arrangements for the publication of the monthly reports of the Meteorological Committee and revise such other papers as the Institute may direct to be published."

Whereupon, M. Painter was appointed for that purpose.

A species of mole found in East Sterling, in Wayne County, Pa., was received from W. Williams, of the same place.

A pair of unusually large horns of a buck killed by John Corey, of Green Township, Pike County, Pa., in the fall of 1848, was presented on behalf of Benjamin P. Robinson, of East Sterling, Wayne County Pa. On motion a vote of thanks of the Institute to Mr. Robinson for the continued interest he takes in furnishing specimens for the benefit of the Institute.

To the enquiry of the Hon. J. Freedly whether the Institute would prefer to receive in sheets as bound the Congressional Globe, which he proposes to contribute to our library. The Secretary is directed to reply "that we shall greatly prefer to have the volumes bound."

The Committee appointed in October last to essay a reply to a circular received from the Commissioner of Patents relative to agricultural statistics of this county for the year 1848, report they prepared a statement accordingly and would have submitted it if a quorum had been present at the time for the last meeting, but the Commissioner being desirous of obtaining replies early in December the statement was then forwarded to suit the convenience of that officer in making out his general report.

February 3, 1849

Dr. Benjamin S. Anderson, of Upper Darby, was duly elected a member of the Institute upon his complying with the further requisitions of the Constitution.

The reply to the owners and masters of the New Bedford and New London whale ships, by M. F. Maury, U.S.N., was read in relation to currents and other nautical matters they may discover on any seas upon which they may sail. This was read on motion of Joseph Edwards.

A pamphlet from the Smithsonian Institution was received containing the occultations of the planets and stars by the moon visible in the United States for the year 1849, designed as an assistant in making observations in different sections by those willing to engage therein, for the purpose of ascertaining the difference of longitude between important points in our country. When on motion of M. Painter, it was

"Resolved: That a committee be appointed to make observations on the occultations of the planets and stars by the moon visible in Delaware County for the year 1849 and make report thereof to the Institute in a form suitable to be forwarded to the Smithsonian Institution and that the list of occultations furnished by that Institution be placed in the hands of said committee to assist them in making such Observations." Whereupon, John Jackson, of Darby, was appointed said committee.

On motion, Joseph Edwards and John Miller were appointed a committee to apply to the legislature for some additional authority or laws to enable the Institute to preserve order at any of its meetings.

On motion of Joseph Edwards, "the librarian shall cause to be bound such pamphlets received by the Institute as he may deem worthy of being so preserved.

The President contributed a specimen of rutile from Parksburg, Chester County, Pa.

On motion: "Resolved: That a committee be appointed to collect specimens of plants for the purpose of rendering the county herbarium of the Institute as perfect as possible." When Dr. G. Smith, James Howard, John Evans, M. Painter and S. L. Miller were appointed said committee.

March 3, 1849

The Meteorological Committee on the subject referred to them on January 6, 1849, reported that they had offered the services of the Institute to the Smithsonian Institution and U. S. Meteorologist to make the observations on storms in this county in conformity to a circular received and that the committee have been furnished with blank forms for that purpose.

Among the donations received for the Institute were nineteen packages of seeds from the Patent Office, which seed was distributed to those members in attendance and also, forwarded a portion to G. W. Bartram, Esq., of Chester, for cultivation. Those receiving these seed "are requested to report to this Institute the results of their cultivation and also forward a portion of the seed that may be produced from valuable plants for future distribution by the Institute."

A Chinese coin was received from W. Y. Hoops, of Middletown, and a German coin from Azaraiiah Bains, of the same township, for the museum.

The Committee on Publication informs that the editor of the Republican, published in this county, declined inserting the monthly tables prepared by the Meteorological Committee in his paper.

April 7, 1849

At the instance of the President, James R. Cummins, of Upper Providence township, was placed in nomination for membership.

The Meteorological Committee reported they furnished the Smithsonian Institution with an account of a splendid Aurora Borealis, which occurred on the evening of the 18th of March, in which its appearance was delineated on a skeleton chart furnished the committee for that purpose. They also reported that they furnished the Navy Department with a monthly report of their meteorological observations.

Levis Miller and M. Painter were appointed Auditors to settle with the Treasurer and report to next meeting.

The Secretary read a letter from Geo. W. Bartram, Esq., acknowledging the receipt of nine packages of seed sent by the Institute and engaging to cultivate the plants raised from them and preserve the seed they may produce for future distribution by the Institute. A package of seed was announced received (per mail) from Edmond Burk, Commissioner of Patents, Washington, embracing 87 different varieties, making the whole number of varieties received this spring from that quarter-96 different varieties and 118 packages; which seeds were divided amongst the members present and portions directed to be forwarded to the following successful cultivators: viz: George W. Bartram, Esq., George Truman, James Jones, gardener to the Hon. G.G. Leiper, and George Lazanby, gardener to William T. Crook, Esq.

May 5, 1849

Dr. Benjamin S. Anderson, who was elected February 3rd, 1849, was introduced and complied with the farther requisitions of the Constitution. James R. Cummins was elected and complied with the farther requisitions of the Constitution.

On motion of J. Miller, Mordecai Lewis, of Nether Providence township, was placed in nomination for membership.

The Managers made their 16th annual report, which was accepted and directed to be published.

The Auditors made their report, showing a balance in the treasury.

The President contributed four specimens of minerals, and presented on behalf of Dr. Swift, of Easton, Pa., three specimens of minerals. M. Painter contributed a specimen of selenite.

The President appointed J. Miller and Dr. Anderson tellers to conduct the annual election for officers; who, after due time reported the following members duly elected to the respective offices for the ensuing year, viz: President, George Smith, M.D.; Vice-Presidents, Sketchly Morton and James J. Lewis; Recording Secretary, Minshall Painter; Corresponding Secretary, Joseph Edwards; Librarian, Minshall Painter; Treasurer, John Miller; Managers, Joseph Edwards, James R. Cummins, Joseph Rowland, A. L. Williamson and Levis Miller.

S. JOHNSON, Jr.

Handwritten signature

JAMES W. HOWARTH

See also...

On motion by M. Painter, "Resolved: To hold the fourth annual exhibition of the Delaware County Institute of Science next autumn and that a committee be appointed of members and associates to conduct the same." When the Chair appointed Joseph Edwards, John Miller, Sketchly Morton, Levis Miller, A. L. Williamson, Thomas Reese, Joseph Rowland, George G. Baker, James J. Lewis, Minshall Painter, Sarah L. Miller, Phebe Goodwin, Hannah Miller, Ann Miller, Matilda B. Cummins, Martha Emily Hunter, Hannah Green, Phebe A. Lewis and Emily C. Lowns.

Joseph Edwards made some interesting observances in relation to the modern views entertained relative to the Aurora Borealis.

June 2, 1849

At the instance of the President, Nathan Garrett, of Upper Darby, was placed in nomination for membership.

On motion of P. Goodwin, Therisa Rowland, of Upper Providence, was placed in nomination for an Associate Member.

On motion of S. L. Miller, Elizabeth Lewis, of Middletown, was placed in nomination for an Associate Member.

Also, on motion of H. Miller, Emily Bishop, of Upper Darby, was placed in nomination for an Associate Member. All of which nominations to be voted for at a future meeting.

Mordecai Lewis, of ~~Nether~~ Providence, was elected a member upon his complying with the farther requisitions of the Constitution.

Joseph Edwards informed that the Managers had organized by the appointment of Levis Miller, chairman, and James R. Cummins, secretary.

A circular was received from the U.S. Patent Office requesting information relative to the agricultural products of the county for the year 1849. This communication was laid upon the table.

A package of seeds from the Garden of Plants, of Paris, was received from John Evans, of Radnor. These were distributed as follows: Dr. George Smith, S. L. Miller, Dr. Joseph Rowland, H. Miller, and Jacob Hews, of Ridley.

M. Painter read a correspondence with the Hon. John Freedly, M.C. relative to the circulars received from the Patent Office.

S. L. Miller laid upon the table a number of specimens of vegetables and plants amongst which were some fine radishes, raised from seed from the Patent Office.

August 4, 1849

Nathan Garrett was elected a member upon complying with the farther requisitions of the Constitution. Therisa Rowland, Elizabeth Lewis and Emily Bishop were severally elected Associate Members.

The circular received from the U. S. Patent Office at last meeting was, on motion, referred to a committee to prepare a suitable reply and report at a future meeting. The Chair appointed Joseph Edwards and John Miller as said committee.

A circular was received from the Census Board appointed to have charge of taking the Census of the United States for the year 1850, and other statistical matter, requesting to be furnished with such information as will assist them to prepare the best modes of carrying it out. Referred to Dr. George Smith, Joseph Edwards, G. G. Baker, A. L. Williamson and Minshall Peck.

Dr. Jesse Young, of Chester, was placed on nomination for membership.

The following donations were received from Charles M. Wheatly of New York:

Sulphate of Copper from the Perkiomen Copper Mines,	
Carbonate of Lead	do
Sulphate of Barytes	do
Chrysocolla	do

A work, entitled "The Causes and Consequences of the Mexican War," by Jay, was received as a donation to the library by an anonymous friend.

J. Evans laid upon the table the fruit of the Prunus Mahaleb? and the fruit of the Rubus laciniata. J. J. Lewis laid upon the table Polish Winter Wheat, raised from seed received by the Institute from the Patent Office in April, 1848. The heads being remarkably large. J. Miller laid upon the table Tripoli Onions, Wheat from the Vales of Sharon and Swiss Chard, raised from seed received by the Institute from the Patent Office in April, 1849. L. S. Miller laid upon the table nasturtians raised from seed received by the Institute from Patent Office in April, 1849, and also Nasturtians raised from seed she had secured from Spain with other interesting plants.

September 1, 1849

On motion of S. L. Miller, Caroline Pennock, of Edgmont, was placed on nomination for Associate Member. Mordecai Lewis and Nathan Garrett, who were elected at the last meeting, were introduced, complied with the farther requisitions of the Constitution and became members.

Dr. Jesse Young was duly elected a member.

The Committee appointed to consider suitable subjects to be submitted to the Census Board of the United States for statistical matter

to be taken with the Census of 1850, made report which was accepted and a copy directed to be forwarded to Washington.

A letter was received from Jonathan C. Baldwin, president of the Chester County Horticultural Society, informing that the Society declined entering into the enterprise of establishing a periodical to be devoted to Horticulture and Science, in conjunction with the Institute in consequence of the financial difficulty of the Horticultural Society. And, also, extending an invitation to the Institute to visit by deputation their annual exhibition, which is to take place on the 13th, 14th and 15th of the 9th month. A letter was also received from the corresponding secretary of the Chester County Horticultural Society informing of the appointment of a

deputation to attend our exhibition and requesting a similar deputation from this Society to attend their approaching exhibition. The Chair appointed M. Painter, Joseph Edwards, J. Miller, J. Evans, Phebe Goodwin, Hannah Miller, S. L. Miller and M. Emily Hunter.

A letter was received from the Hon. John Freedly, M.C., requesting the Institute to place in suitable hands for replies to four accompanying circulars from the U. S. Patent Office relative to agricultural statistics. On motion, one of the copies was referred to the Committee of the Institute on that subject and the remainder directed to be placed in the hands of Sketchly Morton, Nathan Garrett and William Painter, to prepare and forward suitable answers to them.

The President announced the discovery of a plant by Dr. Young not known heretofore to exist in our county. The plant was determined to be *Camelina virginica*.

Robert Register painted the Hall of the Institute and the cost was \$43.89 according to the bill submitted.

M. Painter read an article from the "Working Farmer", by Prof. Mapes on the "Use of Conversational Meetings at Farmers' Clubs," and observed it was to call the attention of the members to the working of that system for eliciting information and with the ultimate views of introducing something similar at the meetings of the Institute.

September 22, 1849

Joseph Edwards acted as Secretary pro tem.

Dr. Jesse Young, who was elected a member at last meeting was present and became a full-fledged member.

The Committee appointed to conduct the fourth annual exhibition made a partial report, which was accepted. A number of premiums and special premiums were authorized awarded. It was also ordered that 500 copies of the committee's report be published. S. L. Miller and M. Painter were appointed a committee to attend the printing of the report and procuring the books, awarded as additional premiums.

The Exhibition Committee also made a supplement report in relation to the financial concerns of the committee, by which it appears there is by estimation (all the bills not yet being paid) a balance in the hands of their treasurer of \$316.00. They also reported a donation of \$100.00 as a gift to the Institute, through their chairman, from Richard Rolandson, Esq., of Philadelphia, which is directed to be placed in the hands of the treasurer. The thanks of the Institute was voted to Mr. Ronaldson for his very liberal donation.

October 6, 1849

The Committee appointed to procure the books awarded at the last meeting, reported having fulfilled its mission.

At the instance of the President it was ordered: "That the donation lately received from Mr. Ronaldson, through the chairman of the Exhibition Committee, be appropriated to the increase of the Library in useful standard works.

The thanks of the Institute were voted to A. W. Corson, of Montgomery County, and Mr. and Mrs. Davis Garrett, of Chester County, for their services as judges at the late exhibition.

The President informed he had lately discovered the *Gnaphalium margaritaceum*, of Darlington, or *Antennaria margaritacea*, of Gray, in this county, heretofore not known to grow within our limits.

On motion, "Resolved: That a Patron to this Institution be elected having the privilege of attending all our meetings and participating therein and under whose auspices we may hope to prosper and advance with still greater success. Whereupon, Richard Ronaldson, Esq., of Philadelphia, surviving brother to our former and lamented Patron was nominated and duly elected to that station." The President "is requested to inform Mr. Ronaldson of his election and also of the vote of thanks of the Institute for his liberal donation, received through the chairman of the Exhibition Committee."

November 3, 1849

Joseph Edwards on behalf of the deputation appointed to attend the exhibition of the Chester County Horticultural Society made a verbal report which it appears the deputation was very cordially received and entertained and that the exhibition was tastefully arranged and the display highly creditable to the Society.

The correspondence of the President and Corresponding Secretary with our Patron, Mr. R. Ronaldson, was directed to be placed on the files of the Institute.

An invitation was received per mail to the members of the Institute to attend the exhibition of the Jeffersonville Agricultural Association, which was held on the 17th and 18th of October last. The corresponding Secretary was directed to reply informing the Association that their friendly invitation was not received until after the time of holding the contemplated exhibition.

On motion, Dr. George Smith and J. Miller were appointed a committee to carry out the order of last meeting in relation to purchasing books for the increase of the library with the Ronaldson donation.

Caroline Pennock, of Forest Hill, Edmont, was elected an Associate Member.

A communication from Jos. G. Kennedy, of the State Department, returning the thanks of the Census Board for the report of the committee made to the Institute, September 1st, 1849, was received and directed to be filed.

December 1, 1849

On motion of M. Painter, seconded by Joseph Edwards, Dr. Casper W. Pennock, of Edgmont, was placed in nomination for membership. On motion by Hannah Miller, seconded by S. L. Miller, Jane Smedley, of Edgmont, was placed on nomination for Associate Member.

Joseph Edwards, from the committee to whom was referred circulars from the U.S. Patent Office, relating to agricultural subjects, made report, which after being read and commented upon, was directed to be revised and transmitted to the Patent Office.

The Committee appointed to purchase books for the use of the library, reported that they have complied in part and furnished 16 volumes of books, with the following titles: Taylor's "Manual of History," Butler's "Ancient Geography," Gregory's "Mathematics," Gray's "Botanical Text Book," Whately's "Logic," Whately's "Rhetoric," Wayland's "Moral Science," Lyell's "Elements of Geology," "Encyclopedia of Geography," Lardner's "Lectures," Henschell's "Outlines," "Essay on Storms," Ewbank's "Hydraulics."

The President read a letter from our Patron, R. Ronaldson, informing he had made the acquaintance with a dealer in books, who would be able to apply the money in the purchase of books most advantageously." On motion: "Resolved. That the Corresponding Secretary be instructed to return the thanks of the Institute to R. Ronaldson, Esq., for his donation of pamphlets and papers and to inform him that the Institute has acceded to his suggestions made to the President in regard to the purchase of books for the library and when information who the gentleman is who will purchase the books funds will be placed at his disposal and a list of the kinds of books wanted will be forwarded." The pamphlets and papers above referred to were presented by J. R. Cummins on behalf of the Patron.

H. Miller presented on behalf of Dr. Ash seed of the Ailanthus.

"The committee appointed February 3rd, 1849, to collect specimens of plants towards making a full collection for our county herbarium are directed to overlook the same and have it re-arranged according to the most approved modern system and add thereto such new plants as they may have collected

CHAPTER IX.

Minutes 1850-1851.

January 5, 1850

Dr. Casper W. Pennock, of Forest Hill, Edgmont, elected a member upon his complying with the farther requisitions of the Constitution. Jane Smedley, of Edgmont, was also elected an associate member.

The Corresponding Secretary produced a letter from our Patron, R. Ronaldson, in relation to new books. Also presented a number of papers and pamphlets from him alluded to in his letter. The Corresponding Secretary also produced copies of letters he was instructed to forward to Davis Garrett and lady of Chester County and to Allen W. Corson, of Montgomery County. All of which correspondence was directed to be filed.

Jos. Edwards, on behalf of the Meteorological committee, made a report of their proceedings for the past year with a summary table of their observations; he also produced their general meteorological journal and commented upon the peculiarities of the past season. He also produced the form of the monthly reports the committee are requested to make to the Smithsonian Institution and made some observations on the contemplated objects which a wide circuit of observations was expected to effect when they shall be brought together. He also produced an appendix to the report of the committee which was ordered to be offered for publication in the several papers of the county. On motion "The Meteorological Committee of last year be re-appointed to continue their observations for the ensuing year." And, at the instance of the President, "The meteorological Committee are authorized to procure such additional instruments as may be required to make more fully and com-

plete observations ~~from the same source as on that subject.~~

Two boxes of foreign shells were received from Mrs. C.W. Pennock, of Forest Hill, Edgmont.

The Recording Secretary produced the report on the late exhibition of the Franklin Institute of Philadelphia, received in exchange for the report concerning our late exhibition.

Mr. Ronaldson having informed the Institute he would attend to having the books purchased for it, provided he was furnished with the kinds of books wanted; some progress was made in determining the subjects they should treat upon; and the Corresponding Secretary directed to inform Mr. Ronaldson thereof.

February 2, 1850.

On motion of J. R. Cummins, seconded by Sketchly Morton, Jonathan P. Worrall, Esq., of Ridley, was placed upon nomination for membership.

"Thomas H. Speakman, Esq., having removed from this county to reside in Philadelphia he thereby ceases to be a member of the Institute." Upon motion he was elected a correspondent of the Institute.

At the instance of the President, Thomas H. Swift, of Easton, Pa., was elected a correspondent. The Corresponding Secretary is directed to inform the foregoing correspondents of their election.

The corresponding secretary produced a note he had received from E. Foreman, assistant in charge of Meteorology of the Smithsonian Institution, acknowledging the reception of a communication forwarded by the Meteorological Committee relative to a storm that occurred in this county on the 22nd day of December last. The letter was directed to be placed upon the file.

The President announced the reception of the following minerals from our correspondent, Dr. Swift:

Calamine	from Saucon, Penn.
Pipe Q <i>Car</i>	" Easton, "
Fluate of Lime	" Derbyshire, England
Apophyllite	" Faroe Islands
Limpid Quartz	" New York
Colophonite	" Arundal, Norway
Nephite	" Easton, Pa.
Tonylite	" Andover, N. J.
Mag oxide of iron	" " "
Lepodohorite	" Easton, Pa.

Specimen from the ruins of the Parthenon, Athens.

The President presented the last and concluding number of the Post Boy, dated Aug. 17, 1824, it being the first newspaper published in this county.

J. R. Cummins presented a paper box made of 6 cards on which was inscribed a specimen of his writing by Mr. Nellis, a man without arms at Barnums Museum, Jan. 1850, also, a valentine made by the same.

Occultations visible in the United States for 1850 was received from the Smithsonian Institution, which on motion, was referred to John Jackson, who is re-appointed to continue making such astronomical observations in Delaware County and make report thereof to this Institute in a suitable form to be forwarded to the Smithsonian Institution.

The report of the Auditor-General of Pennsylvania was received from H. J. Brook of the State Senate.

The report of the Board of Canal Commissioners of Pennsylvania was received from J. J. Lewis of the House of Representatives.

On motion of J. Edwards, "Resolved that we recommend to all our members to bring to the meeting of the Institute on the 2d day of March next such seeds, grafts, cuttings and plants of kinds and varieties each may possess of agricultural or horticultural objects for the purpose of exchange with each other and that those not members be also invited to attend for the same purpose."

SARAH L. MILLER

W. A. Miller
14

MARIA L. EASTMAN

See Photo album

March 2, 1850.

At the instance of the President, seconded by M. Painter Jesse M. Eyre, of Chester was placed in nomination for membership.

Voted that Jonathan P. Worrall, of Ridley, be a member upon his complying with the farther requisitions of the Constitution

The committee appointed to produce a memorial concerning Esther O. Smedley (dec.) produced one which was approved and directed to be recorded.

The Treasurer of the Exhibition committee reports a balance in his hands of \$31.25 ; there remaining a small bill yet unpaid due T. Wilson. Ordered that the neat balance be paid over into the hands of the Treasurer of the Institute.

On motion of S. L. Miller, "Lucretia Mott, of Phila. was elected a correspondent of the Institute." S. L. Miller was appointed to inform her of her election.

A donation from Walker Y. Hoops, of Middletown, was received of Markham's master piece, a work on Fairieny (?) printed in London in the year 1662.

An address delivered at the annual exhibition and fair of the New Haven County (Conn.) Horticultural Society held Sept. 26, 1849, with the transactions of the Society was received in exchange for a copy of the report of the 4th Annual Exhibition of the Institute.

Received from the Hon. J. Freedly the memorial of the Legislative Council of the Provincial Government praying for admission into the Union as a State or for a territorial government. Dec. 27, 1849. Also, the memorial of Landislas Wankowicz, great grand nephews of Kosciusko and of G. Touchman, attorney of the heirs of Kosciusko, praying that measures be taken to protect certain rights of the heirs of Kosciusko.

Received from J. J. Lewis the 16th annual report of the Superintendent of Common Schools for the year 1849.

A large package of newspapers, journals and reports from our Patron R. Ronaldson, Esq.

Seeds, cuttings and plants for distribution according to the recommendation of last meeting were received as follows:

From Jacob Painter: Yellow Magnum Bonum, Red Magnum Bonum, Green Gage, Bingham French Copper Washington Bolmar Coccy golden drop Blue Gage-Washington Pear. (?)

From Dr. George Smith: Cuttings of Catawba Grapes, Grafts Jersey Pear and French Pear, plant of Quercus macrocarpa.

From Sarah L. Miller: Seed of Chili Sugar Squash, Radish seed, strawhann plant and seed of barley raised from seed obtained from Ain Jiddy, Palestine.

From James Howard: Grafts of Howard Apple, Prince's Imperial Gages, Dix Pears and seed of Martynaea fragrans.

From M. Painter: Grafts of the Goliah and yellow gage plumbs Grafts of the Black, Breda and Moorpark Apricots, Grafts of the Bellegard

CP
 Grosse Mignonee and Algan Winter Peach, grafts of the Rousselette de Rheims, Jargonille, Rousselett Native, Passa, Colmar, Julianna, Buene ~~in~~ Bosc and St. Gishlan pears, grafts of the Summer, Rose, Fallawater, Princes Harvest, Hubbardsons None Such, Alexander, Heary morning and Democrat or Republican Apple. Cuttings of trees and shrubs: Filbert American, Burning Bush, Tartarian Honey Suckle, American Yew, Scotch Broom, Tree Box, Savin Flowering Willows, 2 kinds, Hoop Willows, ~~an~~ Abele Tree and Red Symphora; seed of the Aristotochia siphon, Hemerocaulis (day lily), Iris Siberica, Nicotiana langdorffii.

The foregoing list was distributed amongst the members present.

On motion, "The Institute recommended to the members and other citizens of the county to forward for distribution to its adjourned meeting in April next such grafts, cuttings, seeds or plants of such varieties as may be rare or useful which they may have growing."

1930
April 6, 1931.

On motion of H. Miller, Anna R. Price, of Chester, was placed on nomination for associate member.

On motion, of N. Garrett, Townsend Speakman, of Newtown, was placed on nomination for membership.

At the instance of the President, John Sellers and Nathan H. Baker, of Upper Darby, and Dr. Charles S. Heysham, of Newtown, ~~■~~ were placed upon nomination for membership.

Voted that Jesse M. Eyre, of Chester, be a member upon his complying with the farther requisitions of the Constitution.

John Jackson submitted his report on the occultations observed for the past year. The report was accepted and directed to be forwarded to the Smithsonian Institution.

The President announced the reception of the first volume of the Journal of the Academy of Natural Sciences of Philadelphia, with a bill of subscription for the same amounting to five dollars which was directed to be paid. On motion, "Ordered that the subscription be continued for another volume."

Jos. Edwards informed he had purchased two new thermometers for the use of the meteorological committee and produced a bill for the same amounting to three dollars for which an order was directed to be drawn upon the Treasurer.

Bills were received for the following books purchased by Mr. Ronaldson, for the Library, viz: Memoir of Bartram and Marshall, Mullen Physics and Meteorology, Meteorological Register, Conchologists' First Book, Overman on Iron, Kirley & Spencer Entomology, amounting to \$14.25 which was directed to be paid by an order upon the Treasurer.

M. Painter read a letter he had received from the Hon. J. Freedly on subjects interesting to the Institute.

J. Miller presented a package of seed of early Cucumbers, also, of early Salmon Radishes produced from seeds distributed last year, obtained from the Patent Office and which upon

trial proved to be excellent vegetables. He also produced a package of pumpkin seed he had raised last year from seed from Calcutta, India, received by the hand of I. Bonsall, of Philadelphia which although not acclimated yet ripened and proved to be an excellent fruit. The foregoing seeds were distributed in small parcels amongst the members and other citizens in attendance.

37
X Jos. Edwards laid upon the table a package of seeds of 30 papers received from the Patent Office for the Institute.

M. Painter laid upon the table a package 20 papers received from the Patent Office for the Institute forwarded by the Hon. J. Freedly, M.C.

Joseph Edwards contributed Sulphuret of Lead from Phoenixville; copper from the same place; Plumbago, Bucks County; Fer. Oxide of Chrome from Middletown.

Meteorological observations made at the Gerrard College from 1840 to 1845, in 3 volumes.

Report of Lieut. W. F. Lynch to the Secretary of the Navy of his explorations to the Dead Sea.

Catalogue of Mount Airy Agricultural Institute.

Report of the Secretary of the Treasury.

All of which were received through the attention of the Hon. J. Freedly.

A communication was received from A. B. Bache with the accompanying ~~papers~~ maps of the Coast Survey, Viz: Huntingdon Bay; Harbour of Captains Island, East; Harbour of Captains Island, West; Mouth of Chester River.

A report of the managers of the Magdalen Society for the year 1849 was received from Rich^d Ronaldson, Esq.,

Cuttings and grafts and plants were received as follows:

From Dr. George Smith: Plants: Osaage Orange, Overcup Oak, White Lilac, Quince; grafts, Carnation Cherry.

From John Jackson: Grafts: Dutchess de Angulom.

From Townsend Speakman: Grafts: Seedling Apple.

From George Miller, of Chester Co.: Grafts: Smokehouse Apple, Pairmain, Hays, Codlin (Apples).

From Nathan Garrett: Grafts: Field Apple, Golden Buene of Bilboa; Trees: Quince.

From Jacob Painter: Grafts: Passa Colmar; Bell Lucrative; Golden Buene of Bilboa; Bloodgood; Maria Louisa; Glout Morcea; Urbanist; Eyewood.

From M. Painter: Grafts: Bell Guard; Grosse Mignon; Algiers Winter; Washington Bolmar; Black Apricot; Black Tartarian Cherry; Cuttings: Tartarian Honey Suckle; Tree Box; Vitex Agnus Castes; Daphne mizanan; Filbert; Groundsel Tree.

Distribution of seeds from the Patent Office were made as follows:

1. Extra Early Pea - 2. S. L. Miller and John Jackson.
2. Mountain Sweet Water Melon-J. Howard
3. Horse Bean - Joel Sharpless
4. White Salsisian Beet-2- Jos. Edwards and Mordecai Lewis.
5. East India Cotton - Mordecai Lewis.
6. Sweet Vernal Grass-3-Joel Sharpless, Jos. Edwards, & S.L.Miller.
7. Scarlet Running Bean-S. L. Miller.
8. Prince Albert Peas-2-Jas. Howard & E. K. Edwards.
9. Large Purple Egg-Plant-3-J. Jackson, N. Garrett & S. L. Miller.
10. Prickly or Winter Spinage-Jos. Edwards.
11. Carolina Beans-Townsend Speakman.
12. Perrenial Rye Grass4-John Jackson, N. Garrett, Jos Edwards..
13. Watermelon Seed-2-T. Speakman & J. Sharpless.
14. Mountain Sprout-N. Garrett
15. Green Nutmeg Melon-2-M. Painter & J. Miller.
16. Red Cranberry Beans-James Cummins.
17. Prussian Marrow Pea-M. Lewis.
18. Long Carrot-3-J.Jackson, M. Lewis, J. Sharpless.
19. Ossage Orange-3-J. Cummins, J. Edwards & J. Sharpless.
20. Improved White Corn-Jos. Edwards.
21. Belgium Carrot-John Jackson.
22. Round Spinnage- "
23. Early Purple Broccoli-John Jackson.
24. Norfolk Turnip-2-T.Speakman, John Jackson.
25. Late White Broccoli-John Jackson.
26. Chinese Tea Seed, all the members.
27. Beechwood Melon-S. L. Miller.

28. Lucern - 2 - Dr. Smith, Jos. Edwards
29. Early Bassano Beet - John Jackson
30. Zimerman Wheat - M. Lewis
31. Cardoon - John Jackson
32. Early Horn Carrot - John Jackson
33. Battersaa Cabbage - N. Garrett
34. London Leek - J. Jackson
35. Victoria Lettuce - E. K. Edwards
36. Blue Stem White Wheat - E. K. Edwards
37. Black Bean - John Jackson
38. German Summer Rye - Joel Sharpless
39. S. American Tea - John Jackson

The following workswere directed to be purchased an addition to our library:

Gray's Flora of the Northern and Middle States.

First 4 volumes of last series of Silliman's Journal of Science.

Forthcoming addition of Dana's Mineralogy.

Lyle's Principles of Geology.

Insects Injurious to Vegetation, by Harris.

Tuckerman on Lichens.

Sir Gardner Wilkinson's Treatise on Egypt and the Egyptians

On motion of M. Painter, Mordecai Lewis and Levis Miller

were appointed Auditors to settle the Treasurer's accounts and make report to next meeting.

May 4, 1850.

On motion of J. R. Cummins, Charles Williamson, of N. Providence was placed on nomination for membership.

Voted that Townsend Speakman be a member and being present complied with the further requisitions of the Constitution. Also, voted that John Sellers, Nathan H. Baker and Dr. Charles S. Heysham be members upon their complying with the farther requisitions of the Constitution. And, also, voted that Anna R. Price be an associate member.

Dr. Smith, on behalf of the Committee to Rearrange and Make Additions to the Herbarium of the Institute of the Local Flora of Our County, made report "That the specimens are arranged upon the most approved modern plan with a full index to the same for ready reference. The number of species amount to 719, thirty-one of which were cryptogamic plants; all of which are arranged in thirteen volumes. He also presented bills for paper and portfolios used by the committee in effecting the arrangement amounting to \$9.50 which was directed to be paid by an order upon the Treasurer. The committee are continued with the addition of Dr. J. Young to give farther attention to perfecting our county herbarium.

The President announced the death of our much respected member John Pechin, of Radnor. On motion, John Evans is appointed ~~to~~ to prepare a memorial concerning him and produce it to a future meeting."

The Managers made their 17th annual report which was accepted and directed to be published in the county papers and also that 150 copies of it be printed in pamphlet form for distribution together with a list of donations for the past year also the list of officers.

The Librarian is directed to arrange the Library number the different works and make out a correct catalogue of Books.

The President asked on behalf of the School Directors of Upper Darby the use of the awning belonging to the Institute for the better accommodation of a school examination in that district which was granted upon them paying three dollars for the use thereof.

The Auditors appointed at last meeting to settle the Treasurer's accounts Report "the receipts for the past year embracing the balance in his hands at last settlement of \$325.56 and the disbursements amounting to \$199.35, leaving a balance in his hands due the Institute of \$126.21 and that they find an outstanding due from delinquent members of \$105.00."

On motion of J. Miller, the name of John Larkin was directed to be erased from our list of members at his own request to be considered no longer a member of the Institute."

On motion, "The names of Alvin H. Parker, Joseph Fairlamb and George Palmer were directed to be erased from our list of members and they considered no longer members in consequence of their remissness to pay the annual instalments due the Institute as well as for their long continued none attendance of its meetings."

M. Painter read a letter from the Hon. J. Freedly, M.C., on matters interesting to the Institute.

Lectures of James F. W. Johnson on agriculture delivered before the New York Agricultural Society and also the third annual report of the Albany and Rensselaer Horticultural Society from B. P. Johnson, Cor. Secretary.

A work entitled Bell on Baths and Watterry (?) regimen was received from our Patron R. Ronaldson.

Matilda Cummins laid upon the table a bouquet of interesting flowers.

M. Painter also laid upon the table a number of cut flowers.

On motion, "Proceeded to the election of officers for the ensuing year. The chair appointed Dr. Rowland and Townsend Speakman tellers who after due time reported the following members elected to the respective offices:

President, George Smith;
Vice-President, John Jackson and Sketchly Morton;
Recording Secretary, ~~Minshall Painter~~ Minshall Painter;
Corresponding Secretary, Joseph Edwards;
Managers, Joseph Edwards, James R. Cummins, Joseph Rowland, Levis Miller and Thomas Reece;
Treasurer, John Miller;
Librarian, James R. Cummins.

On motion, "Resolved to hold the 5th annual exhibition of the Institute in September next and that a committee be now appointed to take the necessary care in making timely preparation therefor and to conduct the same and adopt such rules and regulations as may be necessary to be observed." Whereupon the chair appointed the following committee to attend thereto:

Joseph Edwards	Sarah L. Miller
John Miller	Phebe Goodwin
Sketchly Morton	Caroline Pennock
Levis Miller	Hannah Miller
A. L. Williamson	Matilda B. Cummins
Thomas Reece	M. Emily Hunter
Joseph Rowland	Phebe A. Lewis
Minshall Painter	Ann Miller
Mordecai Lewis	Emily L. Lownes
James R. Cummins	Elizabeth Lewis

Jos. Edwards informed that the chrome "oar" of which he contributed specimens at last meeting lately discovered in Middletown to exist in considerable abundance had been recently analyzed and found to contain 57 per cent. of the oxide of chrome.

JOEL SHARPLESS

Joel Sharpless
1864

WM. T. W. DICKESON, M.D.

Wm. T. W. Dickeson
57

June 1, 1850:

At the instance of the President, Jacob Hews, of Ridley, was placed in nomination for membership.

Voted that Charles Williamson, of Nether Providence, be a member upon his complying with the farther requisition of the Constitution.

Dr. Charles S. Heysham being present complied with the farther requisition of the Constitution and became a member.

M. Painter informed he had as directed 150 copies of the 17th annual report of the managers printed which were now distributed amongst the members for circulation. *and*

Part 1st of the President's Message with the accompanying documents were received from the Hon. J. Freedly, M.C.

Report to the Smithsonian Institution on the history and discovery of the planet Neptune by Benj. Althrop Gold, Jun., was received from that Institution. *copy*

The President gave as a donation Vols. 5, 6, 7, 8, 9, 10 of Silliman's Journal of Sciences, 2nd Series. He also presented bills for Vols. 1, 2, 3, and 4 of 2nd Series of Silliman's Journal of Science and bill for binding 8 vols. of the same works altogether amounting to 12 dollars which was directed to be paid by an order upon the Treasurer.

J. Evans contributed for distribution seed of Turtle Soup Beans and seed of Foxglove, which were divided amongst the members present.

The President laid upon the table specimens of Spirea (Spiraea) Chorymbosum (Corymbosa ?) and two species of Fedia (Corn Salad or Lamb Lettuce ?) with other plants.

S. L. Miller laid upon the table the Persian Rose and other cut flowers. *?*

M. Painter laid upon the table a number of cut flowers amongst which were GlysceneSiensis, Gelsemium (nitidum?) niticium, Aristolochia Siphon; also, a number of green apples of grindstone, wine-sap and Tewksbury Winter Blush.

The Committee on Meteorology made some general remarks on the subject of their appointment.

The following work was directed to be added to the list of books to be purchased with the Ronaldson donations: viz.: Lake Superior its Physical Characteristics, Vegetation and Animals," by Proff. Agassiz. Adjourned. *copy*

August 3, 1850:

Humphy Johnson, who was elected a member Oct. 7th, 1848, being now present complied with the farther requisitions and became a member.

On motion of Jos. Edwards, "John Smedley, of Middletown, was placed on nomination for membership."

Voted that Jacob Hewes, of Ridley, be a member upon his complying with the farther requisitions of the Constitution.

The Meteorological Committee made report on the state of the weather for the past three months which was directed to be offered for publication in the papers of the county.

On motion of H. Johnson, "Ordered that the most valuable pamphlets in the Library be selected and bound." J. Cummins & M. Painter were appointed a committee to attend thereto.

On motion of J. Edwards, "Resolved that the Exhibition Committee be authorized to make such preparations as may be deemed necessary for the better accommodation of the forthcoming 5th annual Exhibition and that such funds in the treasury not exceeding the balance of the exhibition fund be and it is hereby appropriated for that purpose."

"The President announced the reception from J. Gifford Johnson as a donation THE VANE from St. Paul's Church, Chester, believed to have been erected about the year 1682."

A pocket herbarium composed chiefly of Cryptogamous plants also a collection of prepared specimens of grasses was received from James Bottomly, of Middletown.

Caroline Pennock presented 2 packages of seed of the German or Rattlesnake grass.

A live anaconda from the Island of Cuba; also, a scorpion and large spider preserved in spirits from the same place was presented by Samuel Norman, machinist & engineer, Philadelphia.

A file of newspapers also part of a plank from a schooner from the West Indies completely perforated with Teredinis (?) was presented from our Patron Richard Ronaldson.

The following donations to our library was received from the Hon. John Freedley, M.C. viz:

Meteorological Observations made at Gerrard College from 1840 to 1845 - one vol. plates.

Messages of the President of the U. States & Correspondence in relation to California and the New Mexico, 1850. 1 Vol.

Letter from the Secretary of the Treasury Report on Commerce and Navigation of U. States, 1849, 1 vol.

Message of the President of the U. States relative to T. Butler King's report on California, 1849. Pamphlet.

Letter from the Secretary of the Treasury report of the Superintendent of the Coast Survey, 1849. 2 pamphlets.

September 7th, 1850:

Sketchly Morton appointed President pro tem.

Voted "That John H. Smedley, of Middletown, be a member."

Jacob Hewes, who was elected a member at last meeting, now signed the Constitution.

On motion of S. Morton, Adam C. Eckfelt, of Haverford, was placed on nomination for membership.

On motion of L. Miller, Christopher Fallon, of Upper Darby, was placed on nomination for membership.

On motion of J. Miller, Dr. Charles Morton, of Springfield, was placed on nomination for membership.

An "Agricultural Circular" issued by Thos. Ewbank, Comm of Patents, was received from the Hon. J. Freedly and referred to a committee consisting of Jos. Edwards and John Miller to essay a reply. Also, 4 copies of the circular, inclosed in as many envelopes franked by the Hon. J. Freedly to be sent to such persons as the Institute may select. The Secretary is directed to select and forward the same.

A glass bottle taken from the ruins of the dreadful conflagration in Philadelphia, July 9th, 1850, in the basement of Mr. Heiss mineral water establishment in 2nd street above Vine the sides being compressed together was presented by Edward F. Collins, of Chester. A case of artificial flowers was presented from a lady of Philadelphia.

Adjourned to meet the 21st Inst. *Om*

September 21, 1850:

Special meeting of the Institute.

The Committee appointed to conduct the 5th Annual Exhibition made a report in part of their proceedings.

And on motion, "Ordered that 500 copies be printed for distribution, together with a copy of the Oration delivered by John M. Broomall, Esq., at the close of the exhibition."

Part 3rd of the accompanying documents of the President's Messages was received from J. Freedly, M.C. *Just*

A large block of cellular quartz containing embedded minerals found in digging the foundations of a mill at Saml. Riddles, Pennsgrove was received from Joseph Miller of that place.

October 5, 1850:

At the instance of the President, George H. Sellers, of Upper Darby, was placed in nomination for membership.

Voted that Adam C. Eckfelt, Christopher Fallon and Dr. Charles Morton be members upon each of them complying with the farther requisitions of the Constitution.

The deputation designated to attend the Autumnal Exhibition of the New Castle County Horticultural Society reported in writing which was directed to be placed upon file.

The deputation designated to attend the Chester County Horticultural Society also reported in writing which was directed to be placed upon file.

The deputation designated to attend the Salem County (N.J.) Horticultural Society made a verbal report.

John Jackson read a note from E. Foreman, assistant Secretary of the Smithsonian Institution in which his observations on the occultations of the fixed stars and planets for the year 1849 is alluded to in the most satisfactory terms. He also laid upon the table a copy of his reported directed to be forwarded to the Smithsonian Institution in April last which is now directed to be placed upon file.

Jos. Edwards informed he had received from the Commissioner of Patents wheat raised from seed brought from Ancient Troy on the Coast of Africa represented to produce unusually large heads. He is requested to sow the seeds and have it properly cultivated.

A wooden trencher of the kind used in olden times instead of plates was received from the heirs of Mary Pew, of Upper Providence.

Two hundred and thirty-two Congressional documents & papers were received from the Hon. John Breedly for the use of our Library.

The treasurer of the committee on exhibition made an informal report of the probable balance that will remain in his hands after all debts of the committee are paid.

Receipts at time of exhibition		\$297.14
Amount of bills paid	\$126.51	
Carpenters bill unpaid	30.00	
Printing bill unpaid	36.00	
Balance		<u>192.51</u>
		\$104.63

Which presumptive balance the Institute proceeded to distribute in premiums governed by the report of the judges on the late exhibition and is as follows:

To Robert Playford	the American Farm Book	
John Morgan	Farmers Companion, by Buel	
John Files	American Fruit Culturalist	
Elizabeth L. Playford	Heman's Poems	
William L. Lewis	Ladies Flower Garden	
Joshua Allen	Heman's Poetical Works	
Mary Ann Taylor	Poetry of Flowers	
John Pretty	Cash	\$4.00
Edward Stewart	"	3.00
George Truman	"	2.00
Abigail B. Alexander	"	2.00
Barclay Roberts	"	4.00
William Crossley	"	3.00
John Morgan	"	2.00
Charles Kelly	"	5.00
Seth Hancock	"	2.00
Reese Pyott	"	2.00
Maurice James	Cash	1.00
William Ogden	"	2.00
Jacob Hibberd	"	1.00
Walter W. Green	Lady's Book	
James Campbell	Cash	4.00
Abm. Hilton	"	1.00
Wm. T. Crooks	"	4.00
John Brook	"	4.00
George Rush	"	4.00
Nathan Shaw	"	5.00
Wm. P. Beatty	"	5.00

Elizabeth B. Maul	The Seamstress	
Hannah B. Hart	"	
Hetty L. Garrett	Montgomery's Poems	
Caroline M. Grover	Language of Flowers	
Theodosia B. Morgan	Margaret M. Davidson Poems	
Elizabeth H. Brock	The Seamstress	
M. S. Baker	Poems by A. Cook	
Mrs. Rowe	Cash	1.00
Caroline L. Larkin	Wreath of Friendship	
Mary Pratt	Scott's Poetical Works	
Miss Margaret Hay	Poems	
Amelia Walker	Ladies' Book	
Phebe G. Yarnall	Sacred Mountains	
Anna B. Worrall	Davidson's Poems	
Hannah James	Seamstress	
Julia Emanuel	"	
Abm. Emanuel	Lalla Rhook (?)	
Caroline Carrell	Poetry by Griswell	
Mrs. Flaville	Cash	4.00
Henrietta Malin	Cash	1.00
Jane Eliza Flaville	Scenes of My Native Land	
Mary E. Morton	Tuppers Poems	
Rebecca Thatcher	M. Howett's Poems	
Emily Dutton	Cowpers Poetical Works	
Eber Starr	Songs of Labour	
E. Spencer Miller	Language of Flowers	
Samuel Turner	Cash	2.00
Simeon Colton	"	3.00
Fanny Newlin	Sigourney's Poems	

On motion, "Resolved, That a committee be appointed to revise carefully the list of premiums just made out and correct any oversight or omissions that may have been made; to purchase the books awarded and fill up the certificates for execution and attend to the distribution of the same to those entitled to receive them together with such other books and pamphlets as depositors may be entitled to receive." When the chair appointed John Miller, S. L. Miller and M. Painter.

November 2, 1950:

Voted that George H. Sellers be a member upon his complying with the farther requisitions of the Constitution.

M. Painter read a letter from Benjamin J. Passmore, of East Nottingham, Chester Co., informing they are about establishing an Agricultural Society in that neighborhood and desiring a copy of the Constitution and By-Laws of the Institute and such other information as will enable them to better to organize the Society.

On motion of L. Miller, William Wayne, Jr., of Upper Darby, was placed on nomination for membership.

John Evans contributed a specimen of Calamine from near Bethlehem, Pa. He also laid upon the table the Viburnum occycocus (V. Oxy-

coccus ?), mispilus pyracantha & Rhamnus (?) ----- all in fruit. Also, a number of splendid varieties of chrysanthemums.

M. Painter laid upon the table a number of varieties of chrysanthemums.

The President laid upon the table for distribution seed of the overcup oak.

134 Congressional documents and papers were received from the Hon. John Freedly; these with those heretofore received amount to 373 for the session of 1849-1850. On motion of M. Painter, "Voted the thanks of the Institute to the Hon. John Freedly for his continued attention in furnishing documents." Also,

"Voted the thanks of the Institute to Samuel Norman, of Philadelphia, for his donations of a living anaconda and other specimens of natural history from the Island of Cuba." The Corresponding Secretary is directed to notify them thereof.

John Jackson is appointed to procure a copy of the natural history of the State of New York if the same can be obtained on reasonable terms.

On motion of J. Edwards, members were appointed to assist the committee having charge of preparing and distributing certificates, books and pamphlets to depositors at the late exhibition each one taking the townships respectively designated for them: viz:

Joseph Edwards for Aston, Bethel, Upper and Lower Chichester;

Townsend Speakman for Birmingham and Concord;

John Jackson for Darby;

Dr. George Smith for Upper Darby, Haverford and Marple;

M. Painter for Edgmont, Middletown and Thornbury;

James Cummins for Upper and Lower Providence;

John Evans for Radnor;

Sketchly Morton for Ridley and Springfield;

Edmund K. Edwards for Chester;

Dr. Hayshe for Newtown.

December 7, 1850:

On motion of P. Goodwin, Theodosia B. Morgan, of Edgmont, was placed on nomination for associate member.

Voted that William Wayne, Jur., be a member upon his complying with the farther requisitions of the Constitution.

A memorial for John Pechin (dec.) was produced and read and directed to be recorded.

A specimen of gold bearing quartz from California was received as a donation from Lieut. Beal, of the U. S. Navy.

Dr. Smith presented two volumes of Silliman's Journal of Science

A bill for binding the two volumes; also, for a small blank book amounting to \$1.75 was directed to be paid by an order upon the treasurer.

On motion of M. Painter, "Resolved, That a committee be appointed to enquire into the condition of the colleges, academies and boarding schools of our county established for the instruction of youth and make report thereof; in which they will designate the number of pupils or students that can be admitted to each; the terms of admission; the qualifications necessary preparatory to admissions; the course of studies; advantages possessed by means of specimens, models, instruments or

aparatus for illustration of branches taught and generally all matters it would be interesting for parents or guardians to know who have children or wards to educate.. " When the chair appointed M. Painter and Jos. Edwards said committee.

On motion of M. Painter, "Resolved that John Jackson be requested to report all such new and interesting matters relative to astronomy that may have been discovered ~~or~~ verified during the year ending December 31st, 1850.

WM. C. BURK

In Photo Album

28